



River Habitat Surveys - River Nidd

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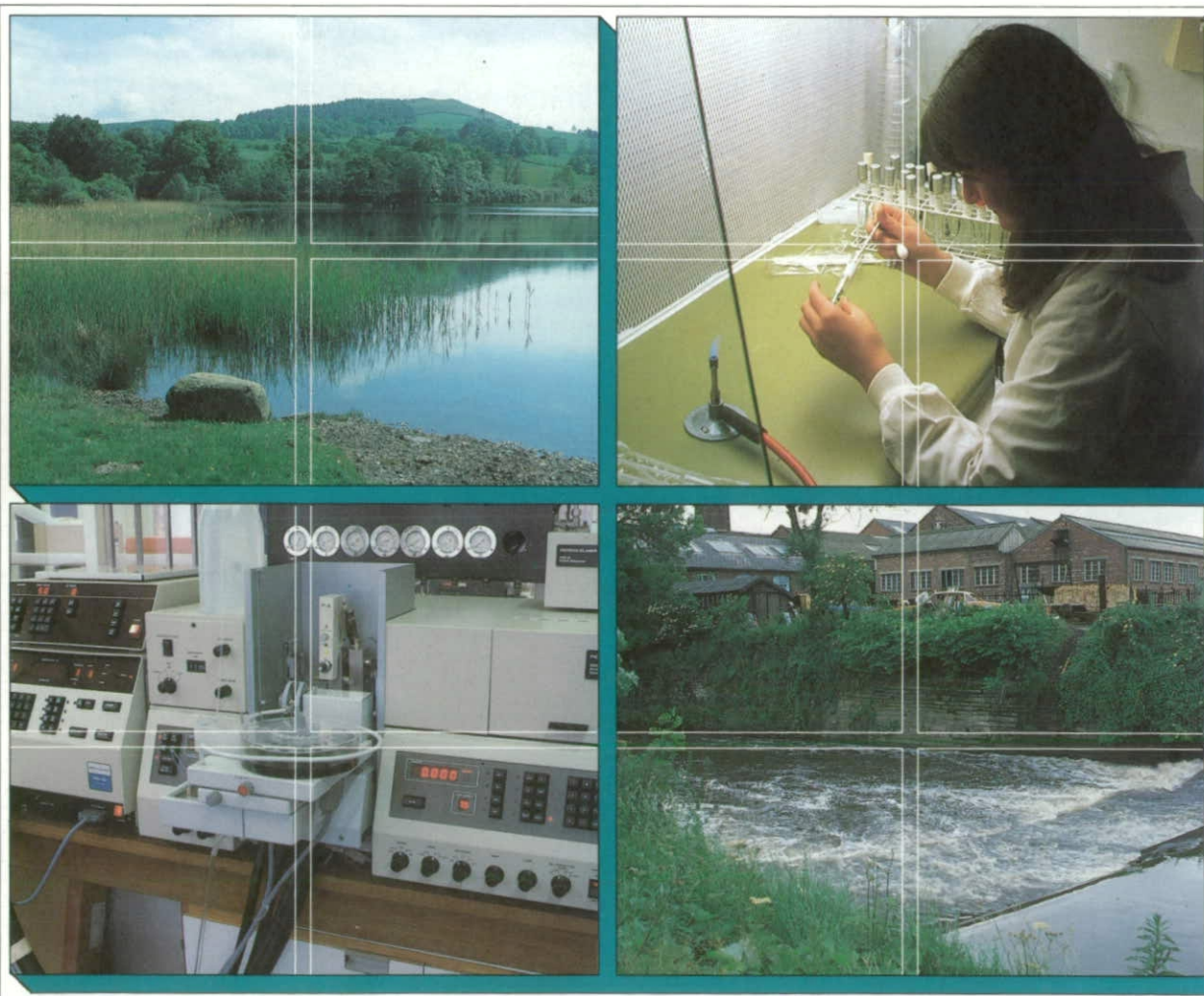
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Report To:
IFE Report Ref. No:

Environment Agency, York
RL/T0473H4/12





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Project Leader:
Report Date:
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F.H. Dawson
August 1996
Environment Agency, York (A. Trevithick)
Order No. 008 000 860
RL/T04073H4/12

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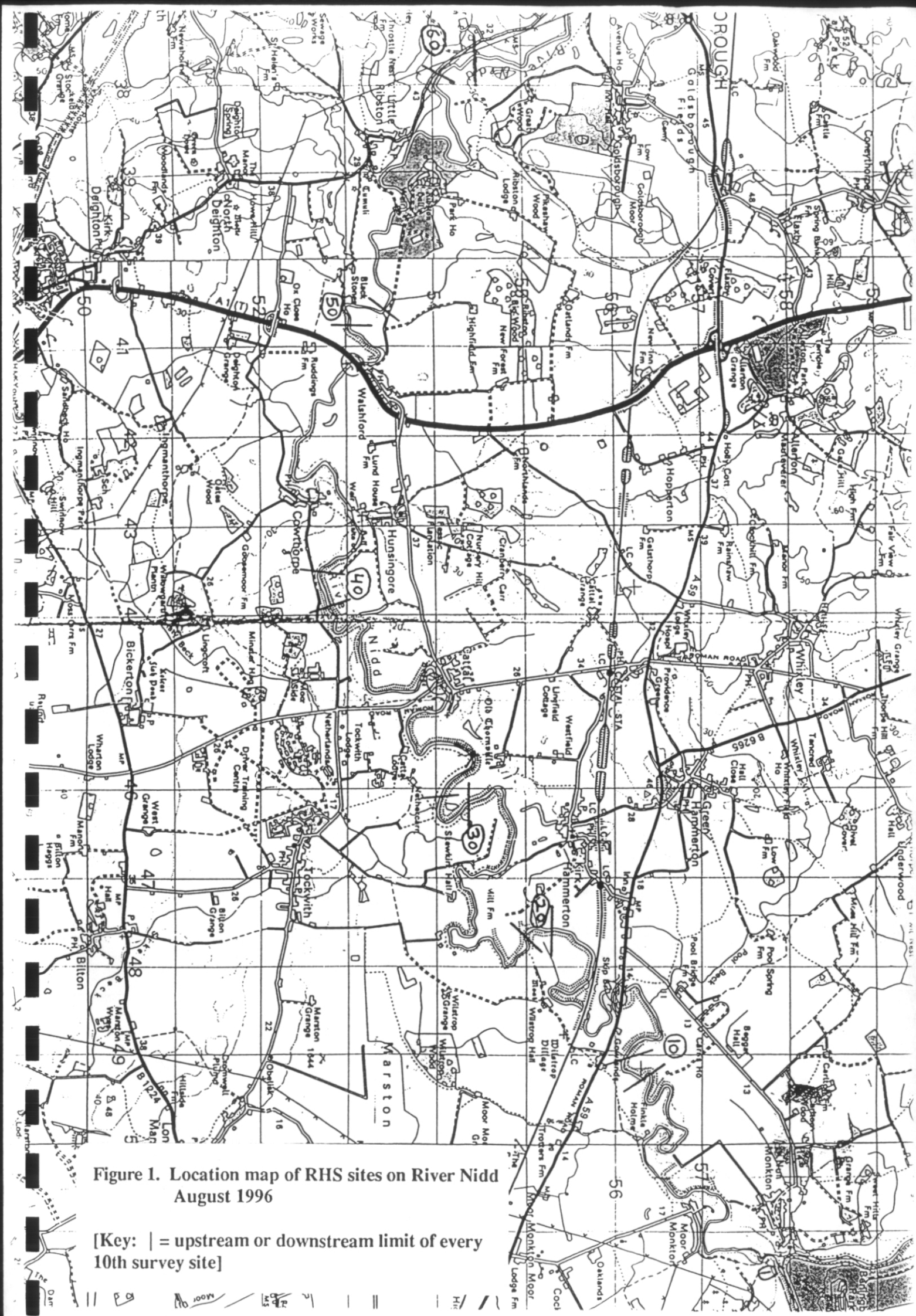
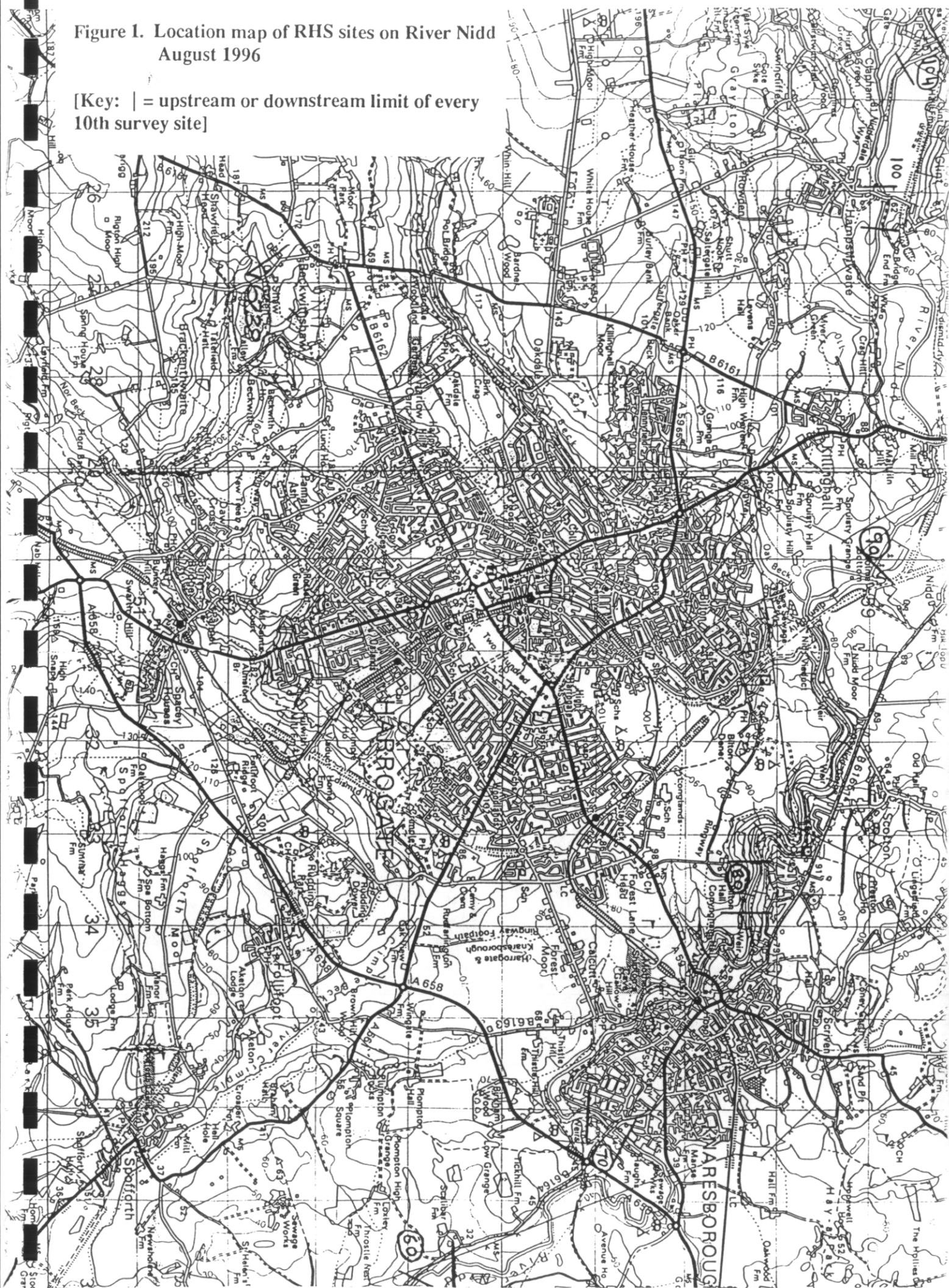


Figure 1. Location map of RHS sites on River Nidd August 1996

[Key: | = upstream or downstream limit of every 10th survey site]

Figure 1. Location map of RHS sites on River Nidd
August 1996

[Key: | = upstream or downstream limit of every
10th survey site]



A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 |

Mid-site grid reference of network site if different from designated location:

US SE 512 574
Grid Reference: MP SE 513 576
OS SE 512 578
Date 6.8.1996 Time: 10:30 River: N100
Surveyor name P. Leal Accreditation code PF 35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state






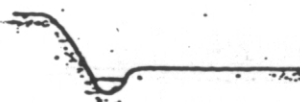
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Fence 3 veg mb

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO NO NO NO NO NO NO

CHANNEL NEW substrate shape codes

Flat Oval Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

SI SI SI SI AV SI SI SI SA SA

Substrate shape FL OV EL SP CU PO IR, Others - note

NA NA NA NA NA NA NA NA NA NA

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

SM SM SM SM SM SM SM SM SM SM

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

NO NO NO NO NO NO NO NO NO VB

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO PC NO PC NO NO PC NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

TH TH TH IG IS RP RP RP RP RP

LEFT BANK-TOP (structure within 1m) B/U/S/C

S S S S S S S S S S

LEFT BANK FACE (structure) B/U/S/C

S S S S S S S S S U

RIGHT BANK FACE (structure) B/U/S/C

S S S S U S B S S U

RIGHT BANK-TOP (structure within 1m) B/U/S/C

S S S U U U U U U U

LAND USE WITHIN 5m OF BANK TOP (R)

RP RP RP RP RP RP RP RP RP RP

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m catch all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

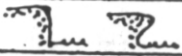

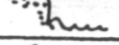






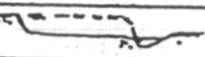


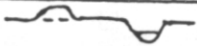
Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANK TOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)	\checkmark		Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	\checkmark		Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 		\checkmark	Artificial two-stage 		
			Poached 		\checkmark
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

I. CHANNEL DIMENSIONS (to be measured at one site (or a straight uniform section, preferably across a riffle))

LEFT BANK		Banktop width (m)	16.	RIGHT BANK	
Banktop height (m)	2.45	Water width (m)	8.50	Banktop height (m)	2.45
Embanked height (m)		Water depth (m)	1.10	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = 2.0 width(m) = 1.4

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M. ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☒ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q. NOTABLE NUISANCE PLANT SPECIES** Use ☐ or ☒ (> 33% banklength) IFE note: LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R. OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Eelotok more sandy U/S. Deep LB. Mostly slow flowing.

S. ALDERS (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 2 about 30 yds OIS & riffles in section.

Mid-site grid reference of network site if different from designated location:






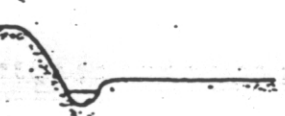
Grid Reference: U/S SE 512570
MP SE 512572
O/S SE 512574
 Date 6.18/1996 Time: 11:55 River: N100
 Surveyor name P. Scarlett Accreditation code PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use ☒) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW

substrate shape codes

Flat Ovoid Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 50m catch all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

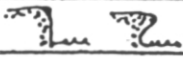


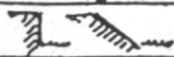

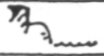



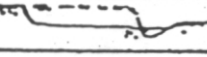
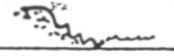
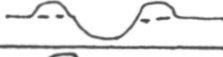

Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANK TOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		/
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		/

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	/	/	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 		/	Artificial two-stage 		
			Poached 	/	/
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	16.5	RIGHT BANK	
Banktop height (m)	2.80	Water width (m)	8.5	Banktop height (m)	NV
Embanked height (m)		Water depth (m)	1.25	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = 2.15 width (m) = 14

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐
N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Flush ☐
P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q NOTABLE NUISANCE PLANT SPECIES Use ☐ or ☒ (> 33% banklgth) IF note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: ~~See~~ Riffle/run ~~See~~ Section near short d. length

S ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N1003 near to large VMCB, opposite house on R.B (with greenhouse to Mid-site grid reference of network site if different from designated location: Right of house)

SE
Grid Reference: U15^50 9 57 4
MP^51 0 57 0 River: N100
Date 6.1.8.1996 Time: 13:00 Surveyor name P. Leach Accreditation code PF 35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)







IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ' = one entry only

Spot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW substrate shape codes:

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	TH	TH	TH	RP	RP	RP
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	B	S	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	U	U	U	U	U	S	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IS	IS	IS	IS	IS	IS	IS	RP	RP	RP

G CHANNEL VEGETATION TYPES (10m wide transect - E (≥ 33% area) or tick (present) 500m reach all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

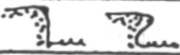








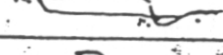



Submerg fine/linear-leaved

Filamentous algae

B. LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)	E		Suburban/urban development (SU)		

I. BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		/	Reinforced - whole bank 		
Steep ($> 45^\circ$) 	/	/	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	/	/	Artificial two-stage 		
			Poached 	/	/
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	13	RIGHT BANK	
Banktop height (m)	1.70	Water width (m)	6.70	Banktop height (m)	1.70
Embanked height (m)		Water depth (m)	0.95	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E (> 33% banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Substrate after clay/bilt, mostly clay is recorded of such.

S ALDERS (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N1004

Mid-site grid reference of network site if different from designated location:

Grid Reference: US SE 505 569
MP SE 505 573
OS SE 507 574

River: N100Date 6.18.1996 Time: 14:00 Surveyor name P. L. Bell Accreditation code PF35Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)- IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS

Page 2 of 4

TALLY (use $\frac{1}{2}$) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO NO NO NO NO NO NO

CHANNEL

NEW

substrate shape codes

FLat Ovoid ELongate SPheroid CUBoid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

SI SA CL NV SA SA SA NV SA SA

Substrate shape FL OV EL SP CU PO IR, Others - note

NA NA NA NA NA NA NA NA NA NA

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

SM SM RP SM SM SM SM SM SM SM

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

NO NO NO NO NO NO NO NO NO NO

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA EA EA EA EA EA EA EA EA & S EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

RP TH RP RP RP RP RP RP RP RP

LEFT BANK-TOP (structure within 1m) B/U/S/C

S U S S S S U S S S

LEFT BANK FACE (structure) B/U/S/C

S S S S S S U S S S

RIGHT BANK FACE (structure) B/U/S/C

S S S B S S S S U U

RIGHT BANK-TOP (structure within 1m) B/U/S/C

S S S S S S S S U U

LAND USE WITHIN 5m OF BANK TOP (R)

RP RP RP RP RP RP RP RP RP RP

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or Lick (present) 500m catch-all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

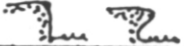










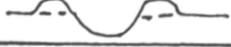

Submerg fine/linear-leaved

Filamentous algae

H. LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		\checkmark
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)	\checkmark		Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	\checkmark	\checkmark	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 		\checkmark	Artificial two-stage 		
			Poached 		\checkmark
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	13.0	RIGHT BANK	
Banktop height (m)	3.0	Water width (m)	8.5	Banktop height (m)	2.0
Embanked height (m)		Water depth (m)	1.0	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Osse equisetum / sparganium tort near 3.

S ALDERS (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 5

Mid-site grid reference of network site if different from designated location:

Grid Reference: US SE 504 565
MP SE 505 567
DS SE 505 569
 River: N100
 Date 6.1.8/1996 Time: 15:06 Surveyor name P. Lockett Accreditation code PF 35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)







IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Veg point bars

¹ = one entry only

Spot check 1 is: upstream ☐ downstream ☒

LEFT BANK **TICK** if functional fence

Material ¹NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,BW

Bank modification(s) *NK,NO,RS,RI,PC,BM,EM*Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ *NV,BE,BO,CO,GP,SA,SI,CL,PEAR*Substrate shape *FL OV EL SP CU PO IR, Others - note*Flow type ¹ FF,CH,BW,UW,CF,RP,UP,SM,NP,NOChannel modification(s) *NK.NO.CV.RS.RI.DA.FO*

Channel feature(s) *NV.NO.RO.MB.VB.MI.TR*

RIGHT BANK TICK if functional fenceMaterial NV BE BO CO GS EA PE CL CC SP WP GA BR BR RWBank modification(s) NK NO BS RI PC RM FM

Bank feature(s)	MV	NQ	EC	SC	BB	VB	SB	VS
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F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	BP	RP	BP	BP	BP	TR	TR	TR	TR
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LEFT BANK-TOP (structure within 1m)	B/U/S/C	U	U	U	S	U	S	S	S	S	V
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[illegible]

RIGHT BANK FACE (structure)	R/U/S/C	U	T	B	B	S	S	S	S	S	S
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RIGHT BANK-TOP (structure within 1m)	R/I/S/C	U	U	U	U	S	S	S	S	S	S
--------------------------------------	---------	---	---	---	---	---	---	---	---	---	---

LAND USE WITHIN 5m OF BANK TOP (R)	Tl	Tl	Tl	Tl	Tl	B.D	TH	TH	TH	SL
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G: CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m² catch-all

[illegible][illegible][illegible][illegible]

Floating-leaved (rooted)					✓							
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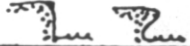












[illegible][illegible][illegible][illegible]

Common intertidal-leaved	/	/	/	/	/	/	/	/
Filamentous algae								

H. LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	\checkmark
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)	\checkmark	\checkmark	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 		\checkmark	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rifle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	18.0	RIGHT BANK	
Banktop height (m)	1.80	Water width (m)	13.0	Banktop height (m)	0.70
Embanked height (m)		Water depth (m)	0.70	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)

Solid geology code

Distance from source (km)

Height of source (m)

Slope (m/km)

Drift geology code

Significant tributary ?

Water Quality Class

Flow category (1-10)

Planform category

Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: N100 6

Mid-site grid reference of network site if different from designated location:

VS SE 500563
 Grid Reference: mp SE 503564
 DS SE 504565

River: N100

Date: 18/1996

Time: 16:00

Surveyor name P. Leach

Accreditation code PF35

Adverse conditions affecting survey?

No ☐Yes ☒If yes, state Thunderstorm,
heavy rain.

Bed of river visible?

No ☐partially ☒entirely ☐

(tick one box)

IFE single photograph: general character?

No ☐Yes ☒

(tick one box)

(duplicate will be made by scanning)

and, as required, special feature ?

No ☒Yes ☐

(tick one box)

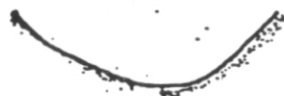
Site surveyed from: left bank ☒right bank ☐channel ☐

(tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐

shallow vee

☐

concave/bowl

(If U-shaped glacial valley -
add "U")☐

deep vee

☒

symmetrical floodplain

☐

gorge

☐

asymmetrical floodplain

Terraced valley floor? No ☒Yes ☐

| IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

Unvegetated point bars

Pools



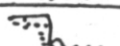






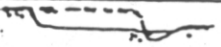



Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		\checkmark	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	\checkmark		Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	\checkmark	\checkmark	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 	\checkmark	\checkmark
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	15.0	RIGHT BANK	
Banktop height (m)	2	Water width (m)	9.5	Banktop height (m)	2
Embanked height (m)		Water depth (m)	1.0	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒ Artificial open water ☐ Bog ☐ Other (state)
 Waterfalls > 5m high ☐ Natural open water ☐ Carr ☐
 Braided/side channels ☐ Water meadow ☐ Marsh ☐
 Debris dams ☐ Fen ☐ Flush ☐
 Leafy debris ☒

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ bank high) IFE note LARGE STANDS of others egNone ☒ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION






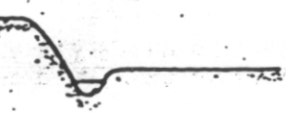
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: N1007

Mid-site grid reference of network site if different from designated location:

Grid Reference: US SE 489568
MP SE 498567
OS SE 500563 River: N100
 Date 6.12.1996 Time: 17.09 Surveyor name P. L. 4 Accreditation code PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles	Unvegetated point bars <u>2</u>
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use Σ) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

4

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LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW

substrate shape codes

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

Fence Fence

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NO NO NO NO NO NO NO NO NO NO

SA NV SA SA SI CL SI SA SI SI

NA NA NA NA NA NA NA NA NA NA

SM SM SM SM SM SM SM SM SM SM

NO NO NO NO NO NO NO NO NO NO

NO NO NO NO NO NO NO NO NO NO

EA EA EA EA EA EA EA EA EA EA

NO PC NO PC NO NO NO NO NO NO

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F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) ¹ = one catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

Filamentous alga

IF IF IF IF IF IF IF IF IF IF

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U S S S S S S S S S

S B S S S S S S S S

S S U S U U S U U S

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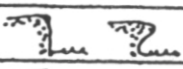


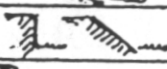


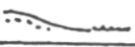


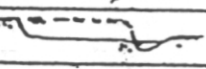

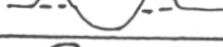

RP RP RP RP RP RP RP RP RP RP

RP RP RP RP RP RP RP RP RP RP

H. LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)	\checkmark		Suburban/urban development (SU)		

I. BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	\checkmark	\checkmark	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	E	\checkmark	Artificial two-stage 		
			Poached 	\checkmark	\checkmark
			Embanked 		
			Set-back embankments 		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section preferably across a riffle)

LEFT BANK		Banktop width (m)	15	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	6.00	Banktop height (m)	2.5
Embanked height (m)		Water depth (m)	1.55	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFF note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: deeper, slower flowing section. Point has
 sufficient to determine as they have been badly
 poached.**S ALDERS** (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: N100 8






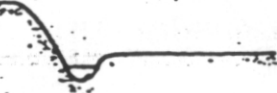
Mid-site grid reference of network site if different from designated location:

Grid Reference: U15 SE 494566
MP 496566
D15 498568
 Date 6.18.1996 Time: 18.00 River: N100
 Surveyor name P. Smith Accreditation code PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use HH) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK ¹ **TICK if functional fence**Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL ¹ **NEW** substrate shape codes =Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK ¹ **TICK if functional fence**Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL ¹ **NEW** substrate shape codes =Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK ¹ **TICK if functional fence**Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m catch-all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

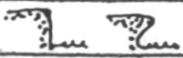








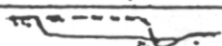



Submerg fine/linear-leaved

Filamentous algae

H. LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)	E		Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	\checkmark	\checkmark	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 		\checkmark	Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	18.00	RIGHT BANK	
Banktop height (m)	2.70	Water width (m)	11.0	Banktop height (m)	2.70
Embanked height (m)		Water depth (m)	0.80	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M. ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐
N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☐ Dredging ☐ Mowing ☒ Weed-cutting ☐
Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒ Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐
P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q. NOTABLE NUISANCE PLANT SPECIES Use ☐ or ☒ (> 33% bankgirth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: dense Tall hedges at start of stretch. Deep in area.

S. ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)
Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class
Flow category (1-10)
Planform category
Navigation ?

FIELD SURVEY DETAILS

Reference network site number: NOD 9
Mid-site grid reference of network site if different from designated location:

Grid Reference: U1S SE 494564
MID SE 495565
D1S SE 494566
Date 6/8/1996 Time: 10.50 River: NOD
Surveyor name N. Nicolson Accreditation code PF64






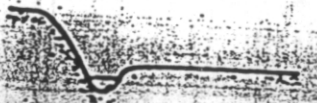
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

IFE single photograph: general character?
(duplicate will be made by scanning)
and, as required, special feature ?
No ☐ Yes ☒ (tick one box)
No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley add "U")
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input checked="" type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	<u>0</u>	Unvegetated point bars	<u>1</u>
Pools	<u>0</u>	Vegetated point bars	<u>0</u>

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Veg point bars

E PHYSICAL ATTRIBUTES					

1	2	3	4	5	6	7	8	9	10
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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A	B	C	D	E	F	G	H	I
a	b	c	d	e	f	g	h	i

[illegible]

NO	W	NE	NG	NC	ND	NV	NS	NT	NU	NW
YES <input type="checkbox"/> NO <input type="checkbox"/> OTHER <input type="checkbox"/>										

	SA	SA	SA	SA	SA	SA	SA	N
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SA	SA	SA	A	SA	A	A	A		
		IA	IA	IA	IA	IA	N/A	NA	N

NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		33	SM	SM	SM	SM	SM	RP	S

[illegible][illegible][illegible]

1	2	3	4	5	6	7	8	9	10
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GA	GA	GA	UA	UA	UA	TA	UA	UA	
		GA	UA	UA	UA	GA	UA	NO	

NO	EM	EM	NO	NO	NO	EM	NO	NO	NO	NO
NO	EM	EM	NO	NO	NO	EM	NO	NO	NO	NO

NO	NO	NO	PS	NO	NO	NO	NO	NO
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F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Four

[illegible]

c	S	S	S	>	S	S	S	-	-
			e	e	e	e	S	S	

c	S	s	S	S	S	S	S	S

c	S	S	S	S	S	S	S	S
	S	S	S	S	S	S	S	S

c	u	s	s	s	s	s	s	s	s
						8?	8?	16	8?

16	TH	TH	TH	TH	RI	RI	19	19
----	----	----	----	----	----	----	----	----

CHANNEL VEGETATION TYPES 10m wide transect E ($\geq 3\%$ area) or list (present) 50m catchment

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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							✓			
							/	/	/	/

✓	✓	✓	✓	✓	✓	✓	✓	✓
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[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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	✓	✓	✓	✓	✓	✓	✓	✓
						✓		

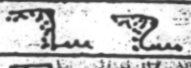




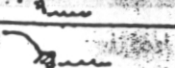
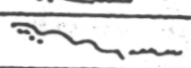
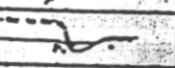




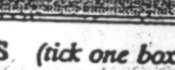
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✓	✓	3	✓	✓	✓	3	✓	3
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LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or / if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)			Suburban/urban development (SU)		

 BANK PROFILES Use E ($\geq 33\%$ banklength) or / if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	✓	✓	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 	✓	
			Embanked 	E	E
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present E		None	Present E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Run - Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	14.0	RIGHT BANK	
Banktop height (m)	25	Water width (m)	7.0	Banktop height (m)	25
Embanked height (m)	1.0	Water depth (m)	1.0	Embanked height (m)	1.0

If trashline lower than banktop break in slope, indicate height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other = 0
Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐
N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☐ Dredging ☐ Mowing ☒ Wood-cutting ☐
Enhancement ☐ Other? State FENCING ON LB IN PITCHES

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐
P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q NOTABLE NUISANCE PLANT SPECIES Use for E (> 33% banklength) IFF not LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill tipping litter sewage pollution drought abstraction mill dam road rail industry
housing mining quarrying overdeepening afforestation fisheries management silting - other? =

Land Management: set-aside buffer strip headland abandoned land parkland MoD - other? =

Animals: otter mink water vole kingfisher dipper grey wagtail sand martin heron dragonflies/damselflies

Other significant observations: EVIDENCE OF PAST MANAGEMENT OLD RESERVATION IN BANKS NOW NATURALISED MANGROVES

S ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number:

NIDD 10

Mid-site grid reference of network site if different from designated location:

Grid Reference:

415 SE491561
M10 SE492563
015 SE494564

River:

NIDD

Date 6.18.1996

Time: 11:35

Surveyor name

NNHanson

Accreditation code

PP64

Adverse conditions affecting survey?

No ☒ Yes ☐

If yes, state

Bed of river visible?

No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character?

No ☐

Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ?

No ☒

Yes ☐ (tick one box)

Site surveyed from: left bank ☒

right bank ☐

channel ☐

(tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee



☐ concave/bowl

(If U-shaped glacial valley - add "U")

☐ deep vee



☒ symmetrical floodplain

☐ gorge



☐ asymmetrical floodplain

Terraced valley floor? No ☒

Yes ☐

| IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Indicate total number)

Riffles

0

Unvegetated point bars

1

Pools

0

Vegetated point bars

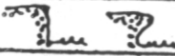








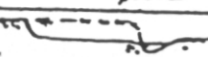
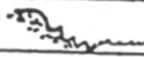
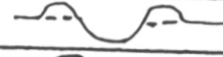

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SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF BANK TOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		<input checked="" type="checkbox"/>	Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	<input checked="" type="checkbox"/>		Reinforced - toe only 		
Composite 	<input checked="" type="checkbox"/>		Artificial two-stage 		
			Poached 		
			Embanked 	E	E
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

G-03

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	13.0	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	6.0	Banktop height (m)	2.5
Embanked height (m)	1.0	Water depth (m)	1.1	Embanked height (m)	1.0

If trashline lower than banktop break in slope, indicate: height (m) = 1.5 width(m) = 10

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M. ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q. NOTABLE NUISANCE PLANT SPECIES** Use I for E (> 33% bank height) IFF note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R. OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S. ALDERS (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ?
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number:

NIDD 11

Mid-site grid reference of network site if different from designated location:

415 SE 488564

Grid Reference: MID SE 489562

DIS SE 491561

River: NIDD

Date 6/18/1996 Time: 12:18

Surveyor name NN Wilson

Accreditation code 764

Adverse conditions affecting survey?

No ☒ Yes ☐

If yes, state

Bed of river visible?

No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character?
 (duplicate will be made by scanning)

No ☐ Yes ☒ (tick one box)

and, as required, special feature ?

No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒

right bank ☐

channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee

☐ deep vee

☒ gorge

☐ concave/bowl
 (If U-shaped glacial valley - add "U")

☒ symmetrical floodplain

☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐

IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

0

Unvegetated point bars

0

Pools

0

Vegetated point bars

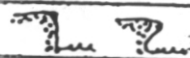






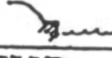

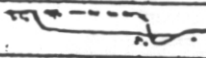


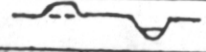
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COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		<input checked="" type="checkbox"/>	Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 	<input checked="" type="checkbox"/>	
			Embanked 	E	E
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	12.0	RIGHT BANK	
Banktop height (m)	2.0	Water width (m)	7.0	Banktop height (m)	2.0
Embanked height (m)	1.0	Water depth (m)	1.2	Embanked height (m)	1.0

If trashline lower than banktop break in slope, indicate: height (m) = 1.5 width (m) = 1.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = Fords = 1
 Footbridges = 0 Roadbridges = 0 Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I for E (> 33% bank(h)) IFF not LARGE STANDS of others eg:None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: NIDD 12

Mid-site grid reference of network site if different from designated location:

Grid Reference:
 U/S SE484564
 MID SE487565
 D/S SE488564

River:

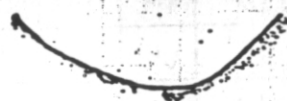
Date 6.1.8.1996 Time: 12.54 Surveyor name N. Nicolson Accreditation code PF 64

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☐ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☐ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Page 2 of 4

Pools

Unveg. side bars

Veg point bars

Spot check 1 is: upstream ☐ downstream ☒

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

Material NY BE BO CO GS EA PE CL CC SP WP GA BR FR JW

Bank modification(s) *NK NO RS RI PC RM EM*

Bank feature(s) NY, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW substrate shape codes

Channel substrate: *NV, BE, BO, CO, GP, SA, SI, CL, PE, AR*

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type: FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) *NK,NO,CV,RS,RI,DA,FO*

Channel feature(s)	NV,NO,RO,MB,VB,MI,TR
--------------------	----------------------

RIGHT BANK **TICK** if functional fence

Material NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,BW

ank modification(s) *NK,NO,RS,RI,PC,BM,FM*

ank feature(s) NV,NO,EC,SC,PB,VP,SB,VS

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/K

LEFT BANK FACE (structure) B/U/S/K

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect; B. (> 33% area) or tick (presence) 500m² catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens | 100

Emerg. broad-leaved herbs: ^{Phytolacca-Veronica}
Aster A

Emerg reeds/sedges/rushes | *Phragmites* *Equisetum*
Sagittaria

Floating-leaved (rooted) |

free-floating |

Amphibious | Potamogeton Stratum

submerged broad-leaved | 10952

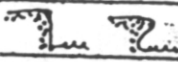









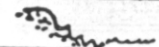

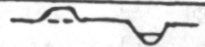
submerg fine/linear-leaved | *Sargassum*

mentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	\checkmark	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		\checkmark	Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	\checkmark		Reinforced - toe only 		
Composite 	\checkmark		Artificial two-stage 		
			Poached 	\checkmark	
			Embanked 		E
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RUN - GLIDE

L CHANNEL DIMENSIONS: (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	10	RIGHT BANK	
Banktop height (m)	2	Water width (m)	10	Banktop height (m)	20
Embanked height (m)	1	Water depth (m)	10	Embanked height (m)	10

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M ARTIFICIAL FEATURES: (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other = 0
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐
N EVIDENCE OF RECENT MANAGEMENT: (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST: (tick appropriate box(es))

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐
P CHOKED CHANNEL: (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q NOTABLE NUISANCE PLANT SPECIES Use I or E (> 33% bankg(h)) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? (Nettle Rhododendron bracken)

R OVERALL CHARACTERISTICS: (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS: (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 13

Mid-site grid reference of network site if different from designated location:

Grid Reference: 415 SE 483 560
 MID SE 482 562
 DIS SE 484 564

River: N100

Date 6/8/1996 Time: 13:40 Surveyor name: N. N. Kowson Accreditation code: PF64

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley -
add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 0

Unvegetated point bars 0

Pools 0

Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TBN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

H PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes -

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect B = 3-5 area) or tick (present) 500m each all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

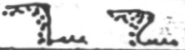









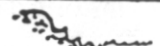


Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or 4 if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or 4 if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		✓	Reinforced - whole bank 		
Steep ($>45^\circ$) 	E		Reinforced - top only 		
Gentle 	✓		Reinforced - toe only 		
Composite 	✓		Artificial two-stage 		
			Poached 	✓	✓
			Embanked 		
			Set-back embankments 		E

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Run - Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	17.0	RIGHT BANK	
Banktop height (m)	4.0	Water width (m)	3.0	Banktop height (m)	4.0
Embanked height (m)	/	Water depth (m)	1.0	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M. ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 2 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 1 Other = 0
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☒ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES Use I or E (> 33% bank height) IFF note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? (Nettle Rhododendron bracken)

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: 100% silt from Mill -
 100% silt from Mill -
 100% silt from Mill -
 100% silt from Mill -

S. ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ?
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number:

Nidd 14

Mid-site grid reference of network site if different from designated location:

Grid Reference: 415 SE 486559
 MID SE 484558
 DLS SE 483560

River:

Nidd

Date 6.../8.../1996

Time: 15:00

Surveyor name

N. Nicolson

Accreditation code.

PP64

Adverse conditions affecting survey?

No

☒

Yes

☐

If yes, state

Bed of river visible?

No

☐

partially

☒

entirely

☐

(tick one box)

IFE single photograph: general character?

No

☐

Yes

☒

(tick one box)

(duplicate will be made by scanning)

and, as required, special feature ?

No

☒

Yes

☐

(tick one box)

Site surveyed from: left bank

☒

right bank

☐

channel

☐

(tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐

shallow vee

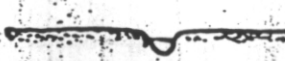
☐

concave/bowl

(If U-shaped glacial valley - add "U")

☐

deep vee

☒

symmetrical floodplain

☒

gorge

☐

asymmetrical floodplain

Terraced valley floor? No

☒

Yes

☐

IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

0

Unvegetated point bars

0

Pools

0

Vegetated point bars

0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars

Veg point bars

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW substrate shape codes

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

BANK TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect, B > 3% area) or tick (present) 500m catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved










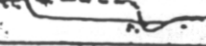



Submerg fine/linear-leaved

Filamentous algal

H LAND USE WITHIN 50m OF BANK TOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Slope ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 	<input checked="" type="checkbox"/>	
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	10.0	RIGHT BANK	
Banktop height (m)	2.0	Water width (m)	10.0	Banktop height (m)	3.5
Embanked height (m)	1.0	Water depth (m)	NK	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M. ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other = 0
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐
N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐
P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐
Q. NOTABLE NUISANCE PLANT SPECIES Use I or E (> 33% bank height) IF not LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S. ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ?
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number:

N10D 15

Mid-site grid reference of network site if different from designated location:

Grid Reference:

415 SE 485566

M10 SE 488557

D15 SE 486559

River:

N10D

Date 6/8/1996

Time: 15:55

Surveyor name

N. Nicolson

Accreditation code

PF64

Adverse conditions affecting survey?

No

☒

Yes

If yes, state

Bed of river visible?

No

☐

partially

☒

entirely

☐

(tick one box)

IFE single photograph: general character?
(duplicate will be made by scanning)

No

☐

Yes

(tick one box)

and, as required, special feature ?

No

☒

Yes

(tick one box)

Site surveyed from:

left bank

☒

right bank

☐

channel

☐

(tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐

shallow vee

☐

concave/bowl

(If U-shaped glacial valley -
add "U")☐

deep vee

☒

symmetrical floodplain

☐

gorge

☐

asymmetrical floodplain

Terraced valley floor?

No

☐

Yes

☒

IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

0

Unvegetated point bars

0

Pools

0

Vegetated point bars

0

IF COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

F. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes -

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect; E. (> 5% area) or tick (present) 50m catch-all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

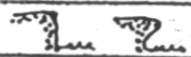

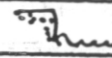




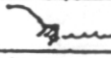

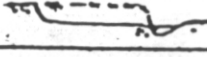


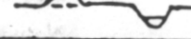
Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbaceous rank vegetation (TH)			Suburban/urban development (SU)		\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 	E	E
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)		RIGHT BANK	
Banktop height (m)		Water width (m)		Banktop height (m)	
Embanked height (m)		Water depth (m)	NK	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = 12 width(m) = 160

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 6 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 6 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES Use 1 or 2 (> 33% bank height) IFF not LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number:

Nidd - 16

Mid-site grid reference of network site if different from designated location:

Grid Reference:

415 SE 483553

Mid SE 484555

415 SE 485556

River:

Nidd

Date 6/18/1996

Time 16:40

Surveyor name

NW Mason

Accreditation code

PF64

Adverse conditions affecting survey?

No

☒ Yes

☐

If yes, state

Bed of river visible?

No

☒ partially

☐ entirely

☐

(tick one box)

IFE single photograph: general character?

No

Yes

☒

(tick one box)

(duplicate will be made by scanning)

and, as required, special feature?

No

☒

Yes

☐

(tick one box)

Site surveyed from:

left bank

☒

right bank

☐

channel

☐

(tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐

shallow vee

☐

concave/bowl

(If U-shaped glacial valley - add "U")

☐

deep vee

☒

symmetrical floodplain

☐

gorge

☐

asymmetrical floodplain

Terraced valley floor? No

☒

Yes

☐

IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

0

Unvegetated point bars

0

Pools

0

Vegetated point bars

0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS

Page 2 of 4

TALLY (use JM) for - Riffles

Pools

Unveg. side bars

Veg point bars

H. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW substrate shape codes

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

I. BANK TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK-TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect > 33% area) or tick (present) 50m catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

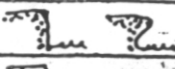

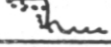
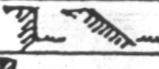









Submerg fine/linear-leaved

Filamentous algae

LAND USE WITHIN 50m OF BANK TOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasturo (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)			Suburban/urban development (SU)		\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		\checkmark	Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 		\checkmark	Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

ASSOCIATED FEATURES (tick one box per feature)

	Left	Right		None	Present	E ($\geq 33\%$)
None	\checkmark	\checkmark	Shading of channel	\checkmark	\square	\square
Isolated/scattered	\square	\square	Overhanging boughs	\checkmark	\square	\square
Regularly spaced, single	\square	\square	Exposed bankside roots	\checkmark	\square	\square
Occasional clumps	\square	\square	Underwater tree roots	\checkmark	\square	\square
Semi-continuous	\square	\square	Fallen trees	\checkmark	\square	\square
Continuous	\square	\square	Coarse woody debris	\checkmark	\square	\square

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	\checkmark	\square	\square	Marginal deadwater	\square	\checkmark	\square
Cascades(s)	\checkmark	\square	\square	Exposed bedrock	\checkmark	\square	\square
Rapid(s)	\checkmark	\square	\square	Exposed boulders	\square	\square	\square
Riffle(s)	\checkmark	\square	\square	Unvegetated mid-channel bar(s)	\square	\square	\square
Run(s)	\square	\square	\square	Vegetated mid-channel bar(s)	\square	\square	\square
Boil(s)	\square	\square	\square	Mature island(s)	\square	\square	\square
Glide(s)	\square	\square	\checkmark	Unvegetated side bar(s)	\checkmark	\square	\square
Pool(s)	\checkmark	\square	\square	Vegetated side bar(s)	\checkmark	\square	\square

Indicate predominant flow sequence (select up to three features):

GLIDE

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)		RIGHT BANK	
Banktop height (m)		Water width (m)		Banktop height (m)	
Embanked height (m)		Water depth (m)		Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES Use I or E (≥ 33% bank height) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ? *NO*
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: *18*

Mid-site grid reference of network site if different from designated location:

Grid Reference: *SE 483 555* *DIS-SE482 556* *DIS-SE483 553* River: *NO D*

Date *6/18/1996* Time: *15:30* Surveyor name: *MG* Accreditation code: *PF65*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)
 and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee

☐ deep vee

☐ gorge

☐ concave/bowl
 (If U-shaped glacial valley -
 add "U")

☒ symmetrical floodplain

☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)



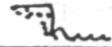







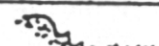


Riffles *0* Unvegetated point bars *2*
 Pools *0* Vegetated point bars *0*

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF BANK TOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"all herbs" rank vegetation (TH)			Suburban/urban development (SU)	\checkmark	

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	\checkmark	\checkmark	Artificial two-stage 		
			Poached 	\checkmark	
			Embanked 	\checkmark	\checkmark
			Set-back embankments 	E	E

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	24	RIGHT BANK	
Banktop height (m)	6	Water width (m)	8	Banktop height (m)	6
Embanked height (m)	2	Water depth (m)	21.5 NK	Embanked height (m)	2

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES Use I or E (> 33% bank height) IFF not LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: River fenced with access for fishing, steep banks -
deep water. Site begins on a point bar on LB. No site 17 due to miss numbering.

S ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 19

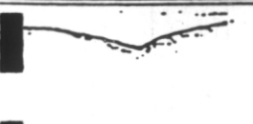


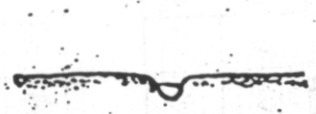


Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 478 557 U/S-SE 476 555 D/S-SE 482 556 River: NIDD
 Date 6/8/1996 Time: 14:55 Surveyor name M.G. Accreditation code PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 0	Unvegetated point bars 1
Pools 0	Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TBN SPOT CHECKS

Page 2 of 4

TALLY (use JMI) for - Riffles

Pools

Unveg. side bars

Veg point bars

H. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

7

8

9

10

LEFT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

EA

EA

EA

EA

EA

EA

EA

EA

EA

EA

EM

EM

EM

EM

EM

NO

NO

NO

EM

EM

NO

NO

NO

NO

NO

NO

NO

NO

NO

PB

CHANNEL

NEW

substrate shape codes

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

EA

EA

EA

EM

EA

EA

EA

EA

EA

EA

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NO

NO

NO

NO

NO

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NO

NO

NO

NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 0m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

TH

TH

SC

SC

TH

RP

RP

RP

RP

RP

S

S

S

S

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RP

RP

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19

G. CHANNEL VEGETATION TYPES (10m wide transect) (> 3% area) or tick (present) 50m transect

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

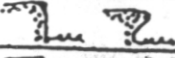

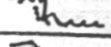






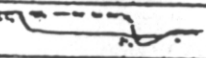
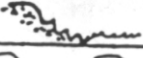


Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or / if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	✓	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herbs - rank vegetation (TH)	✓		Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or / if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	E	✓	Artificial two-stage 		
			Poached 		
			Embanked 		✓
			Set-back embankments 	E	E

J PERCENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle.)

LEFT BANK		Banktop width (m)	18	RIGHT BANK	
Banktop height (m)	5	Water width (m)	8	Banktop height (m)	6
Embanked height (m)	/	Water depth (m) (>1.5)	NK	Embanked height (m)	2

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use 1 or 2 (> 33% bank height) IFF note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: LB is scrub/tall herbs near to railway. Site begins at a stile over fence running parallel to river on LB. Generally too deep to assess substrate (>1.5m)

S ALDERS (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 20

Mid-site grid reference of network site if different from designated location:

45 - SE476550

Grid Reference: SE475 553 dis - SE476 555 River: N100

Date 6.18/1996 Time: 14:20 Surveyor name M.G. Accreditation code. PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

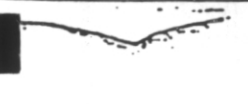


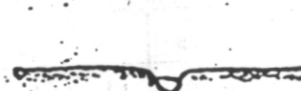

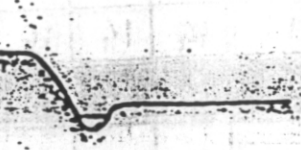
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 0	Unvegetated point bars 0
Pools 0	Vegetated point bars 0

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

H. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL - NEW - substrate shape codes

Flat Oval Elongate Spherical Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect - B (> 3% area) or L (present) 50m wide transect)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs *Rorippa*Emerg reeds/sedges/rushes *Spartina*, *Suaeda*, *Phalaris*Floating-leaved (rooted) *Polygonum*

Free-floating

Amphibious *Agrostis*

Submerged broad-leaved

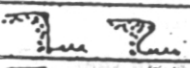

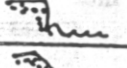
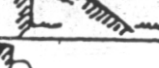

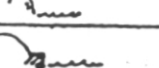
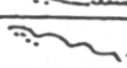
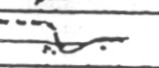
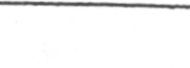
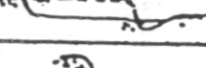

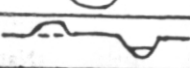

Submerg fine/linear-leaved *Spartina*, *Ranunculus*, *Potamogeton*

Filamentous algae

LAND USE WITHIN 50m OF BANK TOP Use E (≥ 33% banklength) or ✓ if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E (≥ 33% banklength) or ✓ if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep (>45°) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	E	✓	Artificial two-stage 		
			Poached 		
			Embanked 	✓	
			Set-back embankments 	✓	E

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 Indicate predominant flow sequence (select up to three features): *Glide*

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	14	RIGHT BANK	
Banktop height (m)	3	Water width (m)	8	Banktop height (m)	3
Embanked height (m)	/	Water depth (m)	1	Embanked height (m)	3

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M. ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q. NOTABLE NUISANCE PLANT SPECIES** Use I or E (≥ 33% bank length) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R. OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: At ④, extending for 40m is a 2nd channel forming an island just adjacent to the bank. One or two long bars join to the bank so not a true island, no flow on LHS. Embankment not continuous of LHS.**S. ALDERS** (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: 21

Mid-site grid reference of network site if different from designated location:

MS SE477S46

Grid Reference: SE 477 S48 DIS - SE476SS0 River: NIDD








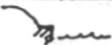


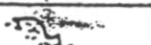


Date 6.1.8/1996 Time: 13:35 Surveyor name Mc Accreditation code P.F.65Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley -
add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**Riffles 0 Unvegetated point bars 1Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	<input checked="" type="checkbox"/>
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	L	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 	E	E

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	25	RIGHT BANK	
Banktop height (m)	6	Water width (m)	7	Banktop height (m)	8
Embanked height (m)	1	Water depth (m)	71.5 NK	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: ~~landfill~~ - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Channel narrow & Deep in places. Set back embankments with TL on LD after a strip of rough pasture (sheep grazed)
 Site starts at the U/S end of a sand point bar

S ALDERS (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 22

Mid-site grid reference of network site if different from designated location:

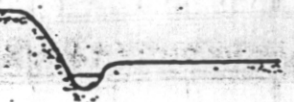
Grid Reference: SE 477544 US SE 477543 River: N100
DS - SE 477546
 Date 6.18.1996 Time: 13:00 Surveyor name M.S. Accreditation code PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 0

Unvegetated point bars 0

Pools 0





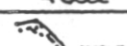

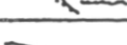


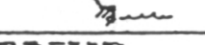
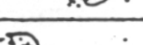
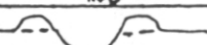

Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 		\checkmark	Reinforced - toe only 		
Composite 		E	Artificial two-stage 		
			Poached 		
			Embanked 	\checkmark	E
			Set-back embankments 	E	\checkmark

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	29	RIGHT BANK	
Banktop height (m)	6	Water width (m)	9	Banktop height (m)	7
Embanked height (m)	1	Water depth (m)	0.7	Embanked height (m)	1

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or ☒ (≥ 33% banklength) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Sand martins abundant. A ditch logger is present on R.B. at
 71A near 7. Embanked, steep river banks with abundant Ranunculus growth

S ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 23

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 476 542 U/S - SE 476 544 D/S - SE 477 543 River: NIDD

Date 6.18.1996 Time: 12:15 Surveyor name MG Accreditation code PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)






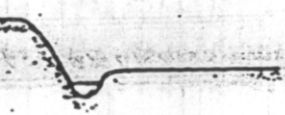
IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 0 Unvegetated point bars 0

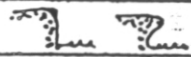

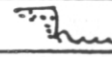






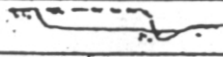

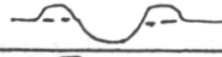

Pools 1 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs - rank vegetation (TH)			Suburban/urban development (SU)		\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	\checkmark	\checkmark	Reinforced - toe only 		
Composite 		\checkmark	Artificial two-stage 		
			Poached 		
			Embanked 	\checkmark	\checkmark
			Set-back embankments 	E	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Glide*

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	40	RIGHT BANK	
Banktop height (m)	5	Water width (m)	10	Banktop height (m)	6
Embanked height (m)	2	Water depth (m)	0.60	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Between sparschicks 7+8 is an area of shallower clay substrate,
 with a definite edge to much deeper water. River generally deep. Run at D/S
 end of section

S ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 24

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 474 544

US-SE 472 544

DIS-SE 476 544

River: N100

Date 6/18/1996 Time: 11:30 Surveyor name MG Accreditation code PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee

☐ deep vee

☐ gorge

☐ concave/bowl

(If U-shaped glacial valley - add "U")

☒ symmetrical floodplain

☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 0

Unvegetated point bars 0

Pools 0










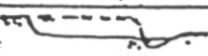
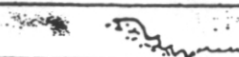


Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	\checkmark	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	E	E
			Set-back embankments 	\checkmark	\checkmark

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Glide*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	30	RIGHT BANK	
Banktop height (m)	5	Water width (m)	10	Banktop height (m)	4
Embanked height (m)	1	Water depth (m) (>1.5m)	NK	Embanked height (m)	2

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Embanked section with steep, high banks, flow a continuous glide, water (all) > 1m deep. Occasional clumps of willows overhanging river

S ALDERS (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? <i>NO</i>
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: *25*

Mid-site grid reference of network site if different from designated location:

Grid Reference: *SE468543* U/S limit = *SE469545*
D/S limit = *SE472544* River: *Nidd*

Date *6/8/1996* Time: *11:28* Surveyor name: *Durran* Accreditation code: *PF27*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee



☐ concave/bowl
(If U-shaped glacial valley - add "U")

☐ deep vee



☒ symmetrical floodplain

☒ gorge



☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles *0* Unvegetated point bars *0*

Pools *0* Vegetated point bars *0*

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

F. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 = one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

new
3 river
depth

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s)

NK, NO, RS, RI, PC, BM, EM

Bank feature(s)

NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW

substrate shape codes

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape

FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type

FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s)

NK, NO, CV, RS, RI, DA, FO

Channel feature(s)

NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s)

NK, NO, RS, RI, PC, BM, EM

Bank feature(s)

NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect, > 33% area) or tick (present) 50m catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

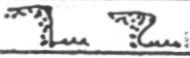

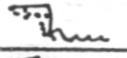




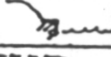

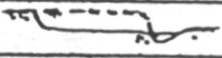
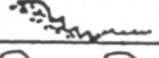

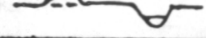
Filamentous algae

high = W/E
low = L/E

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Orchard (OR)			Tilled land (TL)	<input checked="" type="checkbox"/>	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
All herbs rank vegetation (TH)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		<input type="checkbox"/>
			Set-back embankments 		<input checked="" type="checkbox"/>

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)			ASSOCIATED FEATURES (tick one box per feature)		
	Left	Right		None	Present E ($\geq 33\%$)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Glides*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	18.0	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	15.0	Banktop height (m)	0.5
Embanked height (m)	/	Water depth (m) (n=3)	0.5, 0.7, 0.7	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = \times width (m) = \times Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I or E (> 33% bank length) IFE note LARGE STANDS of others eg.

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =
 Ponding at left bank

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = + Agricultural

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: At W/S end, the canal have also + L/R bank, type
 view of the ground**S ALDERS** (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation? ☒ NO
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: Nidd26

Mid-site grid reference of network site, if different from designated location:

Grid Reference: SE 469548 Dist limit: SE 469545 River: Nidd
 Date: 6/8/1996 Time: 13:38 Surveyor name: Darren Accreditation code: PF27

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☐ concave/bowl
 (If U-shaped glacial valley -
 add "U")
☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles ☐ Unvegetated point bars ☐Pools ☐ Vegetated point bars ☐

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TBN SPOT CHECKS

Page 2 of 4

TALLY (use JM) for - Riffles

Pools

Unveg. side bars

Veg point bars

H. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK TCK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW substrate shape codes

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TCK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	TH	TH	TH	TH	BL	TH	TH	TH	TH
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	S	S	C	S	B	B	U
LEFT BANK FACE (structure) B/U/S/C	S	S	S	C	C	S	S	U	U	B
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	S	U	S	B	S	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	S	U	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	TH	TH	TH	BL	TH	TH	TH	TH	TH

G. CHANNEL VEGETATION TYPES (10m wide transect; P > 3% area) or tick (present) 500m catch-all



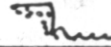
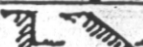








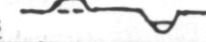
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg. broad-leaved herbs										
Emerg. reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

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1.1.1.1.1.

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	\checkmark	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)	\checkmark		Suburban/urban development (SU)	\checkmark	

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 	\checkmark	
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 	E	
			Embanked 		
			Set-back embankments 	E	E

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

ASSOCIATED FEATURES (tick one box per feature)

	Left	Right		None	Present	E ($\geq 33\%$)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	15.5	RIGHT BANK	
Banktop height (m)	0	Water width (m)	10.0	Banktop height (m)	0.1
Embanked height (m)	/	Water depth (m)	0.5	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M. ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = ☒ Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = Abandon mill (1)
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒ Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES Use 1 for E (> 33% bank height) IF note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - (mill) - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = Agriculture

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Near 4/5 is an old mill bin, where the
mill was

S. ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ? **NO**
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: **27**

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 466548 WS limit = SE 464548 D/s limit = SE 467548 River: **Nidd**Date **6/8/1996** Time: **13:44** Surveyor name **Duncan** Accreditation code **PF27**Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley -
add "U")☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles **0**Unvegetated point bars **0**Pools **0**Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use JM) for - Riffles

Pools

Unveg. side bars

Veg point bars

F. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANK TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	TH	TH	TH	TH
LEFT BANK-TOP (structure within 1m) B/U/S/C	U	B	U	U	B	U	S	S	S	S
LEFT BANK FACE (structure) B/U/S/C	S	U	S	B	B	B	S	U	U	S
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	S	U	U	U	U	U	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	S	S	S	S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	BL	TH

G. CHANNEL VEGETATION TYPES (10m wide transect, > 3% area) or tick (present) 50m catch-all

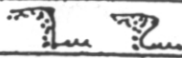

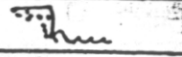






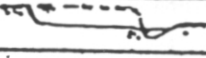

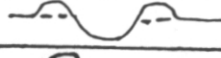

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓		✓	✓	✓				
Emerg reeds/sedges/rushes	✓		✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	E	E	✓	E						
Free-floating		✓	✓							
Amphibious	✓	✓		✓	✓					
Submerged broad-leaved				✓	E	✓				
Submerg fine/linear-leaved							✓			
Filamentous algae										

A16-1

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or / if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or / if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		✓
			Set-back embankments 		E

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

ASSOCIATED FEATURES (tick one box per feature)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	None	Present	E ($\geq 33\%$)
Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	16.0	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	15.0	Banktop height (m)	0.5
Embanked height (m)	/	Water depth (m)	NK	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I or E (> 33% bank height) IFE note: LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - (other?) = regenerated

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: River flows through existing area then left, large buffer strip of land between field + River in up section**S ALDERS** (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ? *NO*
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: *28*

Mid-site grid reference of network site if different from designated location:

Grid Reference: *SE 463547* u/s limit = *SE 461547* D/s limit = *SE 464548* River: *Nidd*
 Date *8.6/1996* Time: *2:34* Surveyor name *Duncan* Accreditation code: *PF27*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state


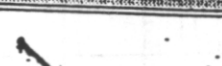




Bed of river visible? No ☒ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
 (duplicate will be made by scanning)

and, as required, special feature ? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 ☐ shallow vee  ☐ concave/bowl
 (If U-shaped glacial valley - add "U")
 ☐ deep vee  ☒ symmetrical floodplain
 ☐ gorge  ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles ☒ Unvegetated point bars ☒
 Pools ☒ Vegetated point bars ☒

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. A. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TBN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK ☒ if functional fence

Material NV, BE, BO, CO, GS, EA, FE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK ☒ if functional fence

Material NV, BE, BO, CO, GS, EA, FE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect; E = $\geq 33\%$ area) or tick (presents) 500m catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

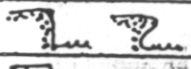

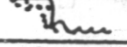






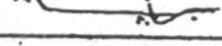



Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

Filamentous algae

LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or ✓ if present					
	L	R		L	R
Broadleaf/mixed woodland (BL)	✓		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E (≥ 33% banklength) or ✓ if present					
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep (>45°) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		✓
			Set-back embankments 	E	E

EXTENT OF TREES AND ASSOCIATED FEATURES						
TREES (tick one box per bank)			ASSOCIATED FEATURES (tick one box per feature)			
	Left	Right		None	Present	E (≥33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)						
	None	Present	E		None	Present E (≥33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Slide*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section preferably across a riffle)

LEFT BANK		Banktop width (m)	14.8	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	12.8	Banktop height (m)	0.5
Embanked height (m)	/	Water depth (m)	0.75	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M. ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒ Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES Use I or E (> 33% bank height) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large water strip/land spreading to In
1st side of river by sup. drainage of Y. rd

S. ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? NO
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: **29**

Mid-site grid reference of network site if different from designated location:

u/s limit = **SE463543**
 Grid Reference: **SE462545** D/s limit = **SE461547** River: **Nidd**
 Date **6/8/1996** Time: **15:35** Surveyor name: **Duncan** Accreditation code: **PF27**

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state **Rain**Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley - add "U")☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

Unvegetated point bars

Pools

Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.M. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1	2	3	4	5	6	7	8	9	10
EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, FE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes -

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, FE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect, B. $\geq 33\%$ area) or tick (present) 500m catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

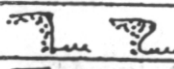









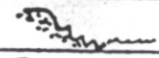

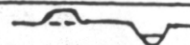
Submerg fine/linear-leaved

Filamentous algae

LAND USE WITHIN 50m OF BANK TOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		\checkmark	Reinforced - whole bank 		
Steep ($>45^\circ$) 	E		Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 	E	E

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section preferably across a riffle)

LEFT BANK		Banktop width (m)	12.0	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	11.0	Banktop height (m)	0.5-0.5
Embanked height (m)	/	Water depth (m)	0.5	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M. ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 3 Outfalls = 1 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES Use I or E (> 33% banklength) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? (Nettle Rhododendron bracken)

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: River became shallower over 2 years
 2005 - 2006
 100% imp. by top

S. ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ? **NO**
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: **30**



Mid-site grid reference of network site if different from designated location:

Grid Reference: **u/s = SE461541**
SE464541 D/S = SE463543River: **Nidd**Date **6/8/1996** Time: **4:28** Surveyor name **Duncan** Accreditation code **PF27**Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state **Rain + Thunder + lightning**Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 ☐ shallow vee ☐ concave/bowl
(If U-shaped glacial valley - add "U") ☐ deep vee ☒ symmetrical floodplain ☐ gorge ☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles ☒Unvegetated point bars ☒Pools ☒Vegetated point bars ☒

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS

Page 2 of 4

TALLY (use Σ) for - Riffles

Pools

Unveg. side bars

Veg point bars

H. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

EA

EA

EA

EA

EA

EA

EA

EA

EA

EA

NO

NO

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F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

TH

BL

TH

TH

TH

TH

TH

TH

BL

TH

LEFT BANK-TOP (structure within 1m) B/U/S/C

U

U

S

S

S

S

S

S

S

S

LEFT BANK FACE (structure) B/U/S/C

U

U

U

U

S

S

S

S

S

S

RIGHT BANK FACE (structure) B/U/S/C

U

U

U

U

S

S

U

U

U

U

RIGHT BANK-TOP (structure within 1m) B/U/S/C

U

U

U

U

U

S

U

U

S

S

LAND USE WITHIN 5m OF BANK TOP (R)

BL

BL

TH

BL

TH

TH

BL

TH

TH

TH

G. CHANNEL VEGETATION TYPES (10m wide transect; B ($\geq 33\%$ area) or tick (present) 500m catch-all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

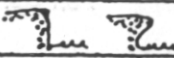

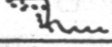
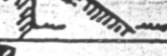





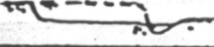
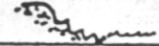
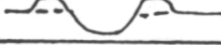

Submerg fine/linear-leaved

Filamentous algae

LAND USE WITHIN 50m OF BANK TOP Use E ($\geq 33\%$ banklength) or / if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or / if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 	E	E

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)			ASSOCIATED FEATURES (tick one box per feature)		
	Left	Right		None	Present E ($\geq 33\%$)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	15.0	RIGHT BANK	
Banktop height (m)	0.01	Water width (m)	15.0	Banktop height (m)	0.01
Embanked height (m)		Water depth (m)	NK	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐
N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐
P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q NOTABLE NUISANCE PLANT SPECIES Use I or E (> 33% banklength) IFE not LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ☒ Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

A Large min (m)

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? NO
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: **31**

Mid-site grid reference of network site if different from designated location:

u/s limit ~~SE456~~ 543
 Grid Reference: SE458543 D/s limit ~~SE461~~ 541 River: **NIDD**
 Date **6.18.1996** Time: **5:14** Surveyor name **DUNGAN** Accreditation code **PF27**

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state **Rain**Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☐ Yes ☒ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**Riffles ☒Unvegetated point bars ☒Pools ☒Vegetated point bars ☒

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes =

Flat Ovoid ELongate SPheroid CUBoid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs | *Veronica/Alisma*Emerg reeds/sedges/rushes | *Spartina/Phragmites*Floating-leaved (rooted) | *Sparganium*

Free-floating

Amphibious

Submerged broad-leaved

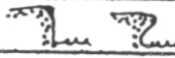












Submerg fine/linear-leaved | *Potamogeton*

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	<input checked="" type="checkbox"/>	
			Set-back embankments 	E	E

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	15.0	RIGHT BANK	
Banktop height (m)	0.15	Water width (m)	15.0	Banktop height (m)	0.15
Embanked height (m)	/	Water depth (m)	NK	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M-ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State Removal of willow 4/16

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Invasive poplar cross river at one pt L. bank top 10m
on all banks**S ALDERS** (tick appropriate box(es))Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ? **NO**
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: **32**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **SE455 542** ^{4/5 limit = SE456538} _{1/5 limit = SE456543} River: **Nidd**Date: **6/18/1996** Time: **5:56** Surveyor name: **Duran** Accreditation code: **PF27**Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley -
add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles ☒ Unvegetated point bars ☒Pools ☒ Vegetated point bars ☒

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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1996 RIVER HABITAT SURVEY TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHM) for - Riffles

Pools

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) one entry only

Spot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	BL	TH	TH	TH	BL	TH	BL	TH
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	U	U	U	S	U	S	S	S
LEFT BANK FACE (structure) B/U/S/C	S	S	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) B/U/S/C	S	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) B/U/S/C	S	S	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	BL	TH	TH	U	BL	BL	BL	BL

G. CHANNEL VEGETATION TYPES (10m wide transect, E. (> 33% area) or tick (present) 500m catch-all




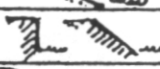





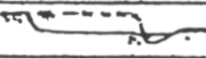



NONE / PLANT GENERA - list first 5										
Bryophytes/lichens			✓				✓	✓	✓	
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓		✓	✓	✓				✓
Floating-leaved (rooted)	✓	✓								
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										E

Alder ✓

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	\checkmark	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 	E	E

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	20.0	RIGHT BANK	
Banktop height (m)	0.1	Water width (m)	20.0	Banktop height (m)	0.1
Embanked height (m)	/	Water depth (m)	NK	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State Embankment 20.0 x 2.0

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or ☒ (≥ 33% banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? (Nettle Rhododendron bracken)

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = Agri-environment

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: 2.5m deep trap for otters placed in the river V. difficult

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ? **NO**
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: **33**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **SE 454537** u/s limit = **SE 452537** o/s limit = **SE 456538** River: **Nidd**
 Date: **7/8/1996** Time: **10:56** Surveyor name: **DUNCAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box) **(3)**
 (duplicate will be made by scanning) (WARNING: MAY HAVE NUMBERED IT 31)
 and, as required, special feature? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ deep vee☐ gorge
☐ concave/bowl
 (If U-shaped glacial valley - add "U")
☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles **1** Unvegetated point bars **0**Pools **0** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars

Veg point bars

H. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m catch-all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes SPARGANIUM
PHELOSIS

Floating-leaved (rooted)

Free-floating

Amphibious myosotis

Submerged broad-leaved

Submerg fine/linear-leaved RANUNCULO










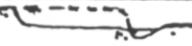



Filamentous algae

Let's get it done

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"Wall herbs" rank vegetation (TH)	E	\checkmark	Suburban/urban development (SU)		\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 	E	E	Reinforced - whole bank 		
Steep ($>45^\circ$) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 	E	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	14.2	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	12.00	Banktop height (m)	1.0
Embanked height (m)	/	Water depth (m) (n=3)	0.0 4.05	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☒ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = grazing land

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: large river L hole in L/O at 100m**S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ? NO
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 34

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE452541 w/s limit = SE448541
 D/s limit = SE452537 River: NIDDO

Date: 7/8/1996 Time: 12:06 Surveyor name: DUNNAN Accreditation code: PF27

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley - add "U")☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 1

Unvegetated point bars 0

Pools 0




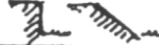


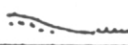





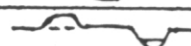
Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	\checkmark	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Wall herbs - rank vegetation (TH)	E	\checkmark	Suburban/urban development (SU)	E	\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 	E	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	20.00	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	16.00	Banktop height (m)	0.5
Embanked height (m)	/	Water depth (m) (V=5)	2.5, 0.25	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E (≥ 33% banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (T-10)
 Solid geology code Drift geology code Platform category
 Distance from source (km) Significant tributary ? Navigation ? *NO*
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: *75*

Mid-site grid reference of network site if different from designated location:

Grid Reference: *SE 446 538* u/s limit = *SE 449 536* D/s limit = *SE 441 541* River: *NIDDO*

Date *7.18.1996* Time: *13:29* Surveyor name *DUNCAN* Accreditation code *PF27*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee

☐ concave/bowl
(If U-shaped glacial valley - add "U")

☐ deep vee

☒ symmetrical floodplain

☐ gorge

☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles *0* Unvegetated point bars *0*

Pools *0* Vegetated point bars *0*

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Page 2 of 4

Veg point bars

1 = one entry only

1

2

3

1

1

1

10

10

22

100

TICK if functional fence

EA

NO

NO

NEW - substrate shape codes =

GP

TR

RP

ND

ND

TICK if functional fence

EA

NO

NO

(to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

TH

4

11

2

11

TH

G CHANNEL VEGETATION TYPES (10m wide transect; E ($\geq 33\%$ area) or not (present); 500m² catch-all)

[illegible]

1998

100



1997

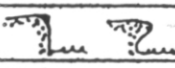



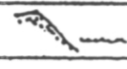




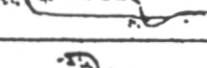



三

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)	E	E	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 	<input checked="" type="checkbox"/>	
			Poached 		
			Embanked 		
			Set-back embankments 	E	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Pick

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	20.0	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	19.5	Banktop height (m)	0.5
Embanked height (m)	/	Water depth (m)	0.3	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 1 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E (≥ 33% banklength) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = Agricultural

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large river, u/s now banks show an old channel profile with some of L bank. Exposed again after high flow in 1990 making surveying V. difficult

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ? **NO**
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: **36**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **SE449535** ^{U/S limit = SE 448533} ^{D/S limit = SE 449536} River: **NIDD**Date **7.18/1996** Time: **14:36** Surveyor name **DUNAN** Accreditation code **PR27**Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley -
add "U")☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles ☒Unvegetated point bars ☒Pools ☒Vegetated point bars ☒

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m catch-all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

Filamentous algae

L use - TL - 24

C TL

CND

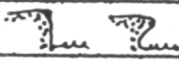





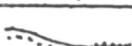

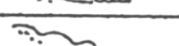




15-1

100

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	///	\checkmark	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Wall herbs - rank vegetation (TH)	E	E	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	\checkmark		Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 	\checkmark	
			Poached 		
			Embanked 		
			Set-back embankments 	E	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Slide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	180	RIGHT BANK	
Banktop height (m)	1.6	Water width (m)	170	Banktop height (m)	1.7
Embanked height (m)	/	Water depth (m)	0.55	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle ☒ Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Buffer strip overgrown in places making surveying v. difficult. Large weir.**S ALDERS** (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ? **N0**
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: **37**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **SE447533** u/s limit = **SE445532** D/s limit = **SE448533** River: **N100**
 Date **7/8/1996** Time: **15:34** Surveyor name **DUNCAN** Accreditation code **PF27**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley - add "U")☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles **1**Unvegetated point bars **0**Pools **0**Vegetated point bars **0**

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1996 RIVER HABITAT SURVEY TBN SPOT CHECKS

Page 2 of 4

TALLY (use JHM) for - Riffles /

Pools

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK ¹ TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL ¹ NEW - substrate shape codesChannel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PEAR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK ¹ TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect: E \geq 33% area) or tick (present) 500m catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

Filamentous algae

L = TL + JB + SE

BWK -

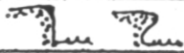












R = TL

ALL E

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		\checkmark	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs/rank vegetation (TH)	E	E	Suburban/urban development (SU)		\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 	E	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	26.0	RIGHT BANK	
Banktop height (m)	1.4	Water width (m)	21.5	Banktop height (m)	1.5
Embanked height (m)	—	Water depth (m) (h=4)	9.02	Embanked height (m)	—

If trashline lower than banktop break in slope, indicate: height (m) = — width (m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = — Weirs = — Outfalls = — Fords = —
 Footbridges = — Roadbridges = — Other = —
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☒ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? ☒ Nettle ☒ Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large River with large buffer strip. Dragonfly in pool made across tributary

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ? NO
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 38

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE443532 ^{U/s limit = SE442533} ^{D/s limit = SE445532} River: NIDD
 Date: 7/8/1996 Time: 4:27 Surveyor name DUNAN Accreditation code PF27

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley -
add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 1 Unvegetated point bars 0
 Pools 0 Vegetated point bars 0

SEPA COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use JM) for - Riffles /

Pools

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes -

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect > 33% area) or tick (present) 500m catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

Filamentous algae

1	2	3	4	5	6	7	8	9	10
EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NV	NV	NV	NV	NV	NV	NV	NV	GP	GP
NA	NA	NA	NA	NA	NA	NA	NA	IR	IR
SM	SM	SM	SM	SM	SM	SM	SM	SM	RP
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	SC	NO	NO	NO	NO	NO	NO	NO

TH	TH	TH	BL	BL	BL	BL	TH	TH	TH
S	S	U	S	U	S	S	S	S	U
U	S	U	U	U	S	S	U	S	S
U	S	S	U	U	S	U	S	U	U
S	S	B	S	S	S	U	S	S	U
TH	TH	TH	TH	TH	TH	BL	TH	TH	BL

L = 50E + TL










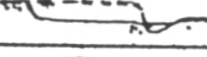

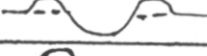

R = TL

add 2U
+1W =
1in = E

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	\checkmark	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/rank vegetation (TH)	E	E	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		\checkmark	Reinforced - whole bank 		
Deep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 	E	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	20.00	RIGHT BANK	
Banktop height (m)	3.0	Water width (m)	14.00	Banktop height (m)	3.0
Embanked height (m)	/	Water depth (m) (n-3)	04.00 0.8	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M-ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☒ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = Agriculture

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Deeper channel D/S becoming ^{es a rise} shallower gravel river
 v/s. Large buffer strip separating river from adjacent fields
 aerogram**S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS







Reference network site number: N100 39

Mid-site grid reference of network site if different from designated location:

U/S SE 439 528
 Grid Reference: M8 SE 443 529
 Date 7.1.8.1996 Time: 11:14..... Surveyor name P. Forlett Accreditation code PF 35
 O/S SE 442 533 River: N100

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	4	Unvegetated point bars
Pools		Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes -

Flat Ovoid ELongate SPheroid CUboid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

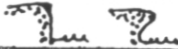












Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		\checkmark
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Small herbs - rank vegetation (TH)	E	E	Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	29.0	RIGHT BANK	
Banktop height (m)	2.20	Water width (m)	21.0	Banktop height (m)	2.20
Embanked height (m)		Water depth (m)	0.30	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐
N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Flush ☐
P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q NOTABLE NUISANCE PLANT SPECIES Use ☐ or E (≥ 33% banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought (abstraction) mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large abstraction - pink at (H) 8P and 60m from
with patches of 2nd. PIKE. Much weed. 8p and 60m from
on LE.

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILSReference network site number: N10040

Mid-site grid reference of network site if different from designated location:

Grid Reference: MP SE 437527 River: N100
 Date 7.1.8.1996 Time: 12:16 Surveyor name P. Lardett Accreditation code PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)**PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley -
add "U")☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles | Unvegetated point bars

Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. W. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
NO	NO	NO	NO	NO	NO	NO	NO	EM	EM
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flat Ovoid Elongate SPheroid CUboid POlyhedral IRregular Other - note									
SP	SP	SP	SP	SP	SP	SP	SP	NV	NV
NV	NV	IR	IR	NV	NV	NV	NA	NA	IR
RP	SM	SM	SM	SM	SM	SM	SM	SM	SM
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	U	S	S	S	S	S	S
LEFT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	S	U
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	S	S	S	S	NV	NV
LAND USE WITHIN 5m OF BANK TOP (R)	IR	TH	IR	IR	IR	TH	TH	TH	NV

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present), 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

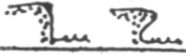








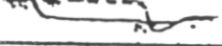

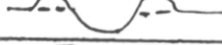

Filamentous algae

/	/					/			/
		/				/		/	
/	/		/	/	/	/	/	/	
				/					
				/	/				
E	/	/	E	/				/	/
						/	/		

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)	E		Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	<input checked="" type="checkbox"/>	
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

Left Right

None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None Present E ($\geq 33\%$)

Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

None Present E

None Present E ($\geq 33\%$)

Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	30.0	RIGHT BANK	
Banktop height (m)	1.70	Water width (m)	23.0	Banktop height (m)	1.70
Embanked height (m)		Water depth (m)	0.80	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other = *gauging station*
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

*gauging station at 8. Much used in channel
 which appear to have been forced in place. Flow depth
 1m+ to 0.15m.*

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

*dead alders
 present not appropriate*

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 41

Mid-site grid reference of network site if different from designated location:

Grid Reference: ^{U/S} SE 43 3 530 ^{M/S} SE 43 4 528 River: N100
 Date 7.18.1996 Time: 13.25 Surveyor name P. Scarlett Accreditation code. PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley -
add "U")☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles | Unvegetated point bars

Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ' = one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

FLat OVoid ELongate SPheroid CUBoid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved










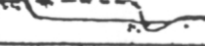

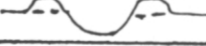

Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		\checkmark	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Wall herbs - rank vegetation (TH)	E		Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 		\checkmark	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	E	
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	27	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	17.0	Banktop height (m)	NV
Embanked height (m)		Water depth (m)	1.00	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

Large bank at deep water. Riffle/run occurs at bottom of section. Therefore, flow is sluggish and water is calm.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 42

Mid-site grid reference of network site if different from designated location:

015 SE 429 531

Grid Reference: M SE 432 532

River: N100

Date 7.1.8.1996 Time: 14:16 Surveyor name P. Ladd Accreditation code PF 35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley -
add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 2 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles / /

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1	2	3	4	5	6	7	8	9	10
							inlet	Bar	

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved


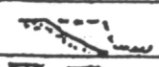










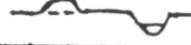
Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	/	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
all herbs rank vegetation (TH)	\checkmark	\checkmark	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 		/	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	/		Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 	\checkmark	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	17.0	RIGHT BANK	
Banktop height (m)	0.70	Water width (m)	12.00	Banktop height (m)	2.50
Embanked height (m)		Water depth (m)	0.35	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = / Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐
N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐
P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q NOTABLE NUISANCE PLANT SPECIES Use ☐ or E ($\geq 33\%$ bank(h)) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: foam on water from weir 6/5. Slight smell
2 riffles, mostly sluggish flow

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

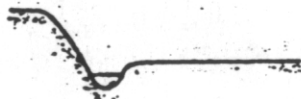
B FIELD SURVEY DETAILSReference network site number: **N100 43**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **MP SE 428 530** River: **N100**
015 SE 429 531
 Date **7.1.6.1996** Time: **15.16** Surveyor name **P. Scarlett** Accreditation code **PF35**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? *only visible at check* No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☐ Yes ☒ (tick one box)Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles

Unvegetated point bars

Pools

Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHI) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ - one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (> 33% area) or tick (present) 500m 'catch-all' ↓

NONE / PLANT GENERA - list first 5

Bryophytes/lichens |

Emerg broad-leaved herbs |

Emerg reeds/sedges/rushes |

Floating-leaved (rooted) |

Free-floating |

Amphibious |

Submerged broad-leaved |

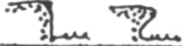









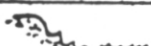


Submerg fine/linear-leaved |

Filamentous algae |

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	\checkmark	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)	/	/	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	/	/	Resectioned 		
Vertical + toe 			Reinforced - whole bank 	/	/
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	/	/	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	/	
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	36.0	RIGHT BANK	
Banktop height (m)	2.0	Water width (m)	29.0	Banktop height (m)	2.0
Embanked height (m)		Water depth (m)	NV	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M-ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)None ☐ Number of Culverts = Weirs = | Outfalls = Fords =

Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒**N EVIDENCE OF RECENT MANAGEMENT** (tick appropriate box(es))None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State**O FEATURES OF SPECIAL INTEREST** (tick appropriate box(es))

None ☐ Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☒ Carr ☐ Marsh ☐ Flush ☐

Debris dams ☐ Water meadow ☐ Fen ☐ *Small pond on LR*

Leafy debris ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

Flow difficult to determine because of wind, but was generally very sluggish (due to long banks up by head) river also very deep here, so substrate impossible to determine. Large compression near at bottom of section.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☐ Present ☒ Extensive ☐

Tarry spots,
blindly, phytoplankton

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: N10044

Mid-site grid reference of network site if different from designated location:

U15 SE 42 5524Grid Reference: MP SE 42 527River: N100015 SE 42 529Date 7.1.8.1996 Time: 16:30 Surveyor name P. Leal Accreditation code PF35Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles

Unvegetated point bars

Pools

Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

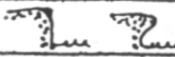








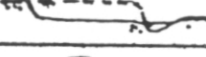


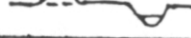
Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		E	Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)	\checkmark		Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		\checkmark	Reinforced - whole bank 		
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 	E	

EXTENT OF TREES AND ASSOCIATED FEATURES**TREES (tick one box per bank)**

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	33.5	RIGHT BANK	
Banktop height (m)	1.10	Water width (m)	29.0	Banktop height (m)	NV
Embanked height (m)		Water depth (m)	NV	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklg(h)) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Due to depth, substrate again impossible to determine. Near the side it is silt and it is likely that the substrate is silt. The flow of the river reinforces this opinion.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☐ Present ☒ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number:

N100 45

Mid-site grid reference of network site if different from designated location:

Grid Reference:

415 SE 420525
 M10 SE 422524
 015 SE 425524

River:

N100 45

Date 7/8/1996

Time: 16.11

Surveyor name

N. Nicolson

Accreditation code. PF64

Adverse conditions affecting survey?

No ☒ Yes ☐

If yes, state

Bed of river visible?

No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character?
(duplicate will be made by scanning)No ☐ Yes ☒ (tick one box)

and, as required, special feature ?

No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒right bank ☐channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒Yes ☐

| IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

0

Unvegetated point bars

0

Pools

0

Vegetated point bars

0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☒ downstream ☐

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	TH	BL	TH	TH	TH	TH	TH	TH
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	U	S	U	S	S	U	U	U
LEFT BANK FACE (structure) B/U/S/C	S	S	U	S	U	S	U	U	U	U
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	U	S	S	U	S	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	S	S	S	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	TH	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all' ↓

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes SPARGANIUM
PILULARIS

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

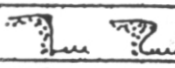
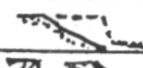





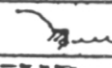

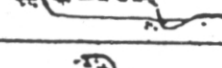

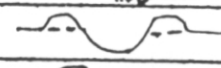
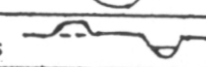
Submerg fine/linear-leaved

Filamentous algae

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	\checkmark	E
Orchard (OR)			Tilled land (TL)	E	\checkmark
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Wall herbs - rank vegetation (TH)	\checkmark		Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	\checkmark	E
			Set-back embankments 	E	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Run - Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	26.0	RIGHT BANK	
Banktop height (m)	2.0	Water width (m)	20.0	Banktop height (m)	3.0
Embanked height (m)	2.0	Water depth (m)	0.75	Embanked height (m)	—

If trashline lower than banktop break in slope, indicate: height (m) = 1.5 width(m) = 24.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M-ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *See map***S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: N100 46

Mid-site grid reference of network site if different from designated location:

Grid Reference: 415 SE 418528
M10 SE 418526
D15 SE 420525 River: N100

Date 7.1.8/1996 Time: 1700 Surveyor name N. Dawson Accreditation code PF84

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**Riffles 0 Unvegetated point bars 0Pools 0 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☐

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA

EA

EA

EA

EA

EA

EA

EA

EA

EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

EM

EM

EM

EM

EM

EM

EM

EM

EM

EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

CHANNEL

NEW - substrate shape codes =

Flat Ovoid Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

NV

NV

NV

NV

NV

NV

NV

NV

NV

NV

Substrate shape FL OV EL SP CU PO IR, Others - note

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

SM

SM

SM

SM

SM

SM

RP

RP

SM

SM

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

NO

NO

NO

NK

NK

NO

NO

NO

NO

NO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

NO

NO

NO

NV

NV

NO

NO

NO

NO

NO

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

NV

EA

EA

NV

NV

EA

EA

EA

EA

EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO

NO

NO

NK

NK

NO

NO

NO

NO

NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

VP

NO

NO

NV

NV

NO

NO

NO

NO

NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

IG

TH

IG

TH

TH

TH

TH

TH

TH

BL

LEFT BANK-TOP (structure within 1m) B/U/S/C

U

U

U

U

U

U

U

U

U

S

LEFT BANK FACE (structure) B/U/S/C

S

S

S

S

S

S

S

S

S

S

RIGHT BANK FACE (structure) B/U/S/C

S

U

U

U

U

S

U

S

S

S

RIGHT BANK-TOP (structure within 1m) B/U/S/C

S

S

U

U

U

S

U

S

S

S

LAND USE WITHIN 5m OF BANK TOP (R)

BL

CP

TH

TH

TH

TH

TH

TH

BL

BC

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

SMITHSONIAN
PACIFIC

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

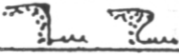











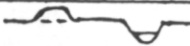
SMITHSONIAN
PACIFIC

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		\checkmark	Rough pasture (RP)		
Coniferous plantation (CP)		\checkmark	Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Wall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	E	
			Set-back embankments 	E	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Run - Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	24	RIGHT BANK	
Banktop height (m)	30	Water width (m)	100	Banktop height (m)	35
Embanked height (m)	40	Water depth (m)	NK	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? (Nettle, Rhododendron bracken)**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

Too dry to walk. Drought. No water in channel.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number:

N100 47

Mid-site grid reference of network site if different from designated location:

Grid Reference: ULS SE 412530
MID SE 414528
DLS SE 416528

River: N100

Date 7/8/1996 Time: 13.54 Surveyor name N. Nicolson Accreditation code. P264

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 1 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ - one entry onlySpot check 1 is: upstream ☒ downstream ☐

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (> 33% area) or tick (present) 500m 'catch-all'

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

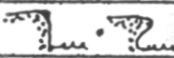


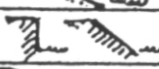





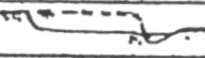

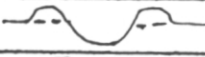

Submerg fine/linear-leaved

Filamentous algae

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)		<input checked="" type="checkbox"/>	Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs - rank vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	E	E
			Set-back embankments 	<input checked="" type="checkbox"/>	

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

G100

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	32.0	RIGHT BANK	
Banktop height (m)	3.0	Water width (m)	20.0	Banktop height (m)	4.0
Embanked height (m)	✓	Water depth (m)	NK	Embanked height (m)	✓

If trashline lower than banktop break in slope, indicate: height (m) = 1.5 width(m) = 24.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E (≥ 33% banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: NIDP 48







Mid-site grid reference of network site if different from designated location:

 Grid Reference: 415 SE 410 533
 MID SE 412 533
 DIS SE 412 530

River: NIDP

Date 7.18.1996 Time: 13.00 Surveyor name NN Wilson Accreditation code. P64

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**




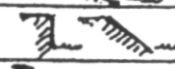






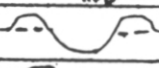

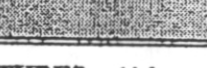
Riffles	1	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF RANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)	\checkmark	
"all herbs" rank vegetation (TH)	\checkmark	\checkmark	Suburban/urban development (SU)	\checkmark	\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 	\checkmark	\checkmark
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Riffle - Run - Boil

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	24.0	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	18.0	Banktop height (m)	2.5
Embanked height (m)	/	Water depth (m)	0.25	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = 1.3 width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 1 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☒ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☒ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? (Nettle Rhododendron bracken)**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: N100 49

Mid-site grid reference of network site if different from designated location:

 Grid Reference: U/S SE 406530
M/D SE 408538
D/S SE 410533
River: N100Date 7/8/1996 Time: 12.20 Surveyor name N. Nicolson Accreditation code PF64Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**Riffles | Unvegetated point bars 0Pools 0 | Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ' = one entry only

Spot check 1 is: upstream ☒ downstream ☐

1

2

3

4

5

6

7

8

9

10

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs ELOSUM

Emerg reeds/sedges/rushes PHALARIS SPARGANUM

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

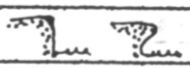






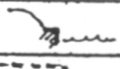

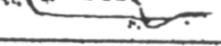



Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)	\checkmark	\checkmark	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	E	\checkmark
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Ruv - Gove

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	27 0	RIGHT BANK	
Banktop height (m)	4 0	Water width (m)	13 0	Banktop height (m)	35
Embanked height (m)	/	Water depth (m)	NK	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *Small stream with some water voles, kingfishers, dipper, sand martins, herons, dragonflies, damselflies.***S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 50

Mid-site grid reference of network site if different from designated location:

Grid Reference: U15 SE 406534
 MID SE 406532
 DIS SE 406530

River: N100

Date 7/8/1996 Time: 11:30 Surveyor name N. Nicolson Accreditation code PF64

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles	1	Unvegetated point bars	1
Pools	0	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles |

Pools

Unveg. side bars |

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☒ downstream ☐

1

2

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LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA

EA

EA

EA

EA

EA

EA

EA

EA

NV

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO

EM

EM

EM

EM

EM

EM

EM

EM

NK

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO

NO

NO

NO

NO

NO

NO

NO

NO

NV

CHANNEL NEW - substrate shape codes =

FLat OVoid ELongate SPheroid CUBoid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

NV

NV

GP

GP

GP

NV

NV

NV

NV

NV

Substrate shape FL OV EL SP CU PO IR, Others - note

NA

NA

NV

NV

NV

NA

NA

NA

NA

NA

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

SM

SM

RP

SM

RP

SM

SM

SM

SM

SM

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

NO

NO

NO

NO

NO

NO

NO

NO

NO

NK

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

NO

NO

NO

NO

NO

NO

NO

NO

NO

NV

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA

EA

EA

EA

EA

EA

EA

EA

EA

NV

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

EM

EM

EM

EM

EM

EM

EM

EM

EM

NK

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO

NO

NO

NO

NO

NO

NO

NO

NO

NV

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

TH

TL

TL

TH

TH

TH

TH

TH

TH

TH

LEFT BANK-TOP (structure within 1m) B/U/S/C

S

U

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S

LEFT BANK FACE (structure) B/U/S/C

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S

S

RIGHT BANK FACE (structure) B/U/S/C

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U

S

S

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S

U

S

S

S

RIGHT BANK-TOP (structure within 1m) B/U/S/C

U

U

S

U

U

U

S

S

S

S

LAND USE WITHIN 5m OF BANK TOP (R)

TL

TL

TL

TH

TH

TH

TH

TH

TH

TH

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

Filamentous algae

✓

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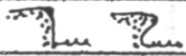












✓

✓

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		\checkmark
Tall herbs/rank vegetation (TH)	\checkmark	\checkmark	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	E	E
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Gentle - Run

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	26.0	RIGHT BANK	
Banktop height (m)	3.5	Water width (m)	14.0	Banktop height (m)	3.5
Embanked height (m)	1.0	Water depth (m)	0.5	Embanked height (m)	1.0

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☒ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *Amphipods, mayfly, caddisfly, stonefly, etc. in riffle.***S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	0589 822333

B FIELD SURVEY DETAILS







Reference network site number: 51

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE404 535 U/S - SE 402 534
 D/S - SE 406 535 River: NIDD

Date 3.1.8.1996 Time: 12:20 Surveyor name M.G. Accreditation code PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 2	Unvegetated point bars 0
Pools 0	Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ - one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3 ^{table}
10/15

4

5

6

photo

8

9

10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs *Myosotis* *Ver. bec.*Emerg reeds/sedges/rushes *Phalaris* *Spartanum*

Floating-leaved (rooted)

Free-floating

Amphibious *Agrostis*

Submerged broad-leaved

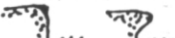






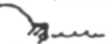





Submerg fine/linear-leaved *Ranunculus* *Spartanum*

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 	<input checked="" type="checkbox"/>		Reinforced - whole bank 		
Steep ($> 45^\circ$) 	<input checked="" type="checkbox"/>	E	Reinforced - top only 		
Gentle 	E		Reinforced - toe only 		
Composite 	<input checked="" type="checkbox"/>		Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide - Riffle

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	35	RIGHT BANK	
Banktop height (m)	4	Water width (m)	22	Banktop height (m)	5
Embanked height (m)	/	Water depth (m)	0.25	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Site starts 50m ups from peg no 24. Generally not too gentle composite LB with GP/SA substrate. Running through steep grazed estate.

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 52

Mid-site grid reference of network site if different from designated location:

U/S - SE396533

Grid Reference: SE 399533

D/S - SE402534

River: NIDD

Date 7.18.1996 Time: 13:00 Surveyor name M.G. Accreditation code. PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 3

Unvegetated point bars 0

Pools 0

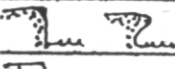








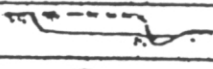


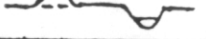
Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"Tall herbs" rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 	<input checked="" type="checkbox"/>	E	Reinforced - top only 		
Gentle 	E		Reinforced - toe only 		
Composite 	<input checked="" type="checkbox"/>		Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide - Riffle

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	40	RIGHT BANK	
Banktop height (m)	4	Water width (m)	20	Banktop height (m)	3
Embanked height (m)	/	Water depth (m)	0.2	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = / Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? . Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: upper 1/2 tree-lined (mainly alders), LB in TL from ③ →
 Largely waderable with chest waters. Mainly gravel rubble - sand substrate.

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 53

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 395 534 U/S - SE 394 536
 Date 7.1.8/1996 Time: 13:40 DIS - SE 396 533 River: NIDD
 Surveyor name M.G. Accreditation code. PF6.5

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)**PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 2

Unvegetated point bars 0

Pools 0

Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use $\overline{||||}$) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

Peg 1	2	Peg 3	4	Peg 5	6	20m 7m 8m Bridg	9	10
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LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs *Myosotis/verbec.*Emerg reeds/sedges/rushes *Phalaris/hypericum*Floating-leaved (rooted) *Pot nat.*Free-floating *Lemna*

Amphibious

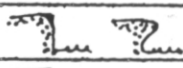








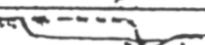



Submerged broad-leaved

Submerg fine/linear-leaved *Hydrilla/Elodea*Filamentous algae *Clad*

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	\checkmark	\checkmark
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 	\checkmark		Reinforced - whole bank 	\checkmark	\checkmark
Deep ($>45^\circ$) 	\checkmark	E	Reinforced - top only 		
Gentle 	E	\checkmark	Reinforced - toe only 		
Composite 	\checkmark	\checkmark	Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Glide - Riffle*

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	50	RIGHT BANK	
Banktop height (m)	4	Water width (m)	25	Banktop height (m)	4
Embanked height (m)	/	Water depth (m)	0.4	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
 Footbridges = Roadbridges = 1 Other =
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ bank length) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: River flowing through estate - grazed by sheep. Wide & shallow, mainly SP or SA substrate. Small boulder weir with rapid flow.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☒ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 54

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 392 535 U/S-SE 389 535
 Date 7/8/1996 Time: 14:30 River: NID
 Surveyor name M.G. Accreditation code P.F.65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 2

Unvegetated point bars 0

Pools 0

Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles /

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5 photo

7

8

Just 8 u/s of me

9

10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

Filamentous algae

Myosotis/Veronica










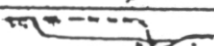
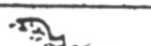

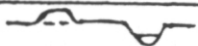
Sparganium/Phalaris

Sparganium
Ranunculus

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	E		Reinforced - toe only 		
Composite 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide - Riffle

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	40	RIGHT BANK	
Banktop height (m)	4	Water width (m)	25	Banktop height (m)	4
Embanked height (m)		Water depth (m)	0.25	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? . Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: At ④ a lge native island obscuring view of channel + RB. Mature islands + veg. mid channel bars, along with some exposed boulder bedrock differentiate this section from d/s sites.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☒ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: 55







Mid-site grid reference of network site if different from designated location:

Grid Reference: SE388537 U/S-SE385538
015-SE384535 River: NIDD

Date 7.18.1996 Time: 15:00 Surveyor name MG Accreditation code PF65Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**

 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles <u>0</u>	Unvegetated point bars <u>0</u>
Pools <u>0</u>	Vegetated point bars <u>0</u>

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use *JHT*) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ' = one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

under log
4m wide
channel

5

Spur to 6

7

8

9

10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens |

Emerg broad-leaved herbs |

Emerg reeds/sedges/rushes | *Phalaris* / *Sparganium*Floating-leaved (rooted) | *Potamogeton*

Free-floating |

Amphibious |

Submerged broad-leaved |










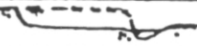



Submerg fine/linear-leaved | *Sparganium*

Filamentous algae |

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 	<input checked="" type="checkbox"/>		Reinforced - whole bank 		
Steep ($> 45^\circ$) 	<input checked="" type="checkbox"/>	E	Reinforced - top only 		
Gentle 	E		Reinforced - toe only 		
Composite 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage 		
			Poached 	<input checked="" type="checkbox"/>	
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	25	RIGHT BANK	
Banktop height (m)	4	Water width (m)	20	Banktop height (m)	4
Embanked height (m)		Water depth (m)	0.4	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Slow flowing, deep section. Sheep + cows have sig. impact on bank structure for part of section (3-5) (Left bank)

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 56

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE386540 U/S-SE 388542
 Date 7.18.1996 Time: 15:30 D/S-SE 385538 River: NIDD
 Surveyor name M.G. Accreditation code. PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley - add "U")☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 1

Unvegetated point bars 0

Pools 0

Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use *JHT*) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

4

photo
5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes =

FL: Ovoid Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs *Myosoton*Emerg reeds/sedges/rushes *Phalaris* *Sporobolus*

Floating-leaved (rooted)

Free-floating

Amphibious










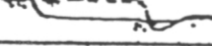

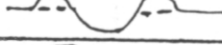

Submerged broad-leaved

Submerg fine/linear-leaved *Sporobolus* *Ranunculus*Filamentous algae *Cladophora*

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		<input checked="" type="checkbox"/>
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 	<input checked="" type="checkbox"/>		Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	E	<input checked="" type="checkbox"/>	Artificial two-stage 		
			Poached 	<input checked="" type="checkbox"/>	
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	37	RIGHT BANK	
Banktop height (m)	4	Water width (m)	22	Banktop height (m)	5
Embanked height (m)		Water depth (m)	0.25	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Impact of cattle on LB vegetation - bark damage, trampling etc

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 57

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE389543 O/S-SE388544 River: N100
 Date 7.18.1996 Time: 16:05 Surveyor name M.G. Accreditation code PF65

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state Access very difficult for part.Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley - add "U")☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 0

Unvegetated point bars 0

Pools 0

Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use *JHT*) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ' = one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

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3 Photo 4

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LEFT BANK

TICK if functional fence

Prop. fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes =

FL, Ovoid, Elongate, Spheroid, Cuboid, Polyhedral, Irregular, Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes *Phragmites* / *Phalaris*

Floating-leaved (rooted)

Free-floating *Utricularia*

Amphibious

Submerged broad-leaved








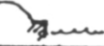

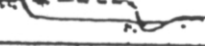

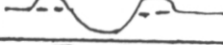

Submerg fine/linear-leaved *Sparganium*

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	\checkmark	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"Tall herbs" rank vegetation (TH)	\checkmark		Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 	\checkmark		Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	E	\checkmark	Reinforced - toe only 		
Composite 		\checkmark	Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 Indicate predominant flow sequence (select up to three features): *Glide*

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	30	RIGHT BANK	
Banktop height (m)	2	Water width (m)	20	Banktop height (m)	4
Embanked height (m)		Water depth (m)	1.5	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Very difficult access, water all too deep to assess substrate. Slow glide flow with abundant marginal reed water.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

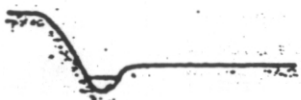
Reference network site number: 58

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE386543 ~~U/S-SE386543~~
 Date 8/8/1996 Time: 10:50 Surveyor name M4 Accreditation code PF65
~~U/S-SE386544~~ River: NIDD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)**PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**Riffles | Unvegetated point bars ☐Pools ☐ Vegetated point bars ☐

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use JHT) for - Riffles /

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

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LEFT BANK TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

EA EA EA EA EA EA EA EA EA EA

NO NO NO NO NO NO NO NO NO NO

NO NO NO NO NO NO NO NO NO NO

NO NO NO NO NO NO NO NO NO NO

FLat Ovoid ELongate SPheroid CUBoid POlyhedral IRregular Other - note

NV NV GP GP CO NV GP SA GP GP

NK NK NK NK OV NK OV NA OV OV

SM SM SM SM SM SM RP SM RP RP

NO NO NO NO NO NO NO NO NO NO

NO NO NO NO NO NO NO NO NO NO

✓ ✓ ✓ ✓ ✓

NV EA EA EA EA EA EA EA EA EA

NK NO NO NO NO NO NO NO NO NO

NV NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

IG IG IG IG IG IG IG IG IG IG

U U U U U U U U U U

S S S S S S S S S S

S S S S S S S S S S

V V V V V V V V V V

TL TL TL TL TL TL TL TL TL TL

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens |

Emerg broad-leaved herbs *Nerbel.*Emerg reeds/sedges/rushes *Saggonium*
Nypha Phalaris

Floating-leaved (rooted) |

Free-floating *Lemna*

Amphibious |

Submerged broad-leaved |

Submerg fine/linear-leaved *Saggonium Ranunculus*

Filamentous algae |

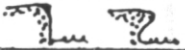








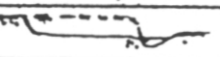



✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	\checkmark	E
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	\checkmark	\checkmark	Reinforced - toe only 		
Composite 	\checkmark	\checkmark	Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	20	RIGHT BANK	
Banktop height (m)	4	Water width (m)	12	Banktop height (m)	4
Embanked height (m)		Water depth (m)	0.3	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = 2 width(m) = 16

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = 5m sheep grazed strip before TL on LB

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Site starts 20m up of a small tributary. Straight section of river with a mulriffle at upper end. Slow flow at d/s end but otherwise wadeable.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☒ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 59

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 382542 U/S-SE379541
 D/S-SE384543 River: NIDD

Date 8/8/1996 Time: 11:35 Surveyor name MG Accreditation code PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl

(If U-shaped glacial valley - add "U")

☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 2

Unvegetated point bars 0

Pools 0

Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles |

Pools

Unveg. side bars

Veg point bars |

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ' = one entry only

Spot check 1 is: upstream ☐ downstream ☒ Hedge 1 on R.B. 2 Gate + 3 Swamp pool 4 Phob 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (> 33% area) or tick (present) 500m 'catch-all'

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs Rorippa

Emerg reeds/sedges/rushes Phalaris sparganium

Floating-leaved (rooted)

Free-floating Lemna

Amphibious

Submerged broad-leaved

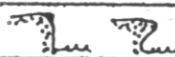





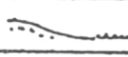


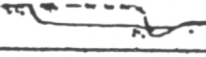

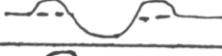

Submerg fine/linear-leaved Sparganium angustifolium

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	\checkmark	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/rank vegetation (TH)		E	Suburban/urban development (SU)		\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	\checkmark	\checkmark	Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide - Riffle

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	20	RIGHT BANK	
Banktop height (m)	3	Water width (m)	12	Banktop height (m)	3
Embanked height (m)		Water depth (m)	0.3	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M-ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? ☒ State Tree clearance on R.B.

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

LB as for SB - 5m is the Th.

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Several lge willows overhanging bend between ② & ③. Area of felled trees on RB as road meets river. Deep water area on outside of bend w/dls of ③. Ice clearance has left Th. Flows more varied than dls site. SV on RB in road. Section ends on riffle just dls of veg. mid channel bar

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 60

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE378543

U15-SE376545

River: NID

DIS SE379541

Date 8/8/1996 Time: 12:15 Surveyor name M.G. Accreditation code. PFGS

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 4

Unvegetated point bars 0

Pools 0



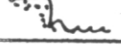









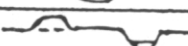
Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	\checkmark	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Small herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	\checkmark		Reinforced - toe only 		
Composite 	\checkmark		Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffle - Run - Glide

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	40	RIGHT BANK	
Banktop height (m)	5	Water width (m)	25	Banktop height (m)	3
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M. ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q. NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ bank/gh) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R. OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =
First 250m up for 58 + 59 on L3.

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Site starts on riffles d/s of veg. mid channel bar wide deep, little flow at ③ + ④ bend. Marginal deadwater pool overshadowed by trees between ③ + ④ - main flow runs at this point. Upper 1/2 is more shaded with tall trees on both banks. Steep high banks with TL ladura, substrate 1/2ly GP.

S. ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 61

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE376547

U/S - SE 377550

River: N100

D/S - SE 376545

Date 8/8/1996 Time: 13:15 Surveyor name M.G. Accreditation code P.F.G.S.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 0

Unvegetated point bars 0

Pools 0

Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHM) for - Riffles

Pools

Unveg. side bars

Veg point bars (

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

Photo
3
4

5

V/S of
6 horizontal
7 tree

8

9

10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens |

Emerg broad-leaved herbs |

Emerg reeds/sedges/rushes | Phalaris / Sparganium

Floating-leaved (rooted) | Potamogeton

Free-floating |

Amphibious |

Submerged broad-leaved |










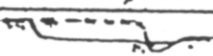

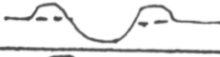

Submerg fine/linear-leaved | Ranunculus / Sparganium

Filamentous algae |

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		\checkmark	Rough pasture (RP)		
Coniferous plantation (CP)	\checkmark		Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E		Open water (OW)		
Wall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		\checkmark	Reinforced - whole bank 		
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Glide - Run*

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	15	RIGHT BANK	
Banktop height (m)	1	Water width (m)	13	Banktop height (m)	3
Embanked height (m)		Water depth (m)	0.45	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 62

Mid-site grid reference of network site if different from designated location:

Grid Reference: SC 376 SS3

UIS-SE375556

DIS-SE377550

River: NIDD

Date 6/16/1996 Time: 13:45 Surveyor name M. G. Accreditation code PF 65

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state *Difficult access*
(- Spot 10 done from top of 20m high bank)

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley - add "U")☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 3

Unvegetated point bars 0

Pools 0

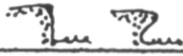










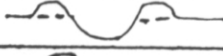

Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	\checkmark	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	\checkmark		Open water (OW)		
All herbs - rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	\checkmark	\checkmark	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)
ASSOCIATED FEATURES (tick one box per feature)

	Left	Right		None	Present	E ($\geq 33\%$)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffle - glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	32	RIGHT BANK	
Banktop height (m)	3	Water width (m)	20	Banktop height (m)	4
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Across river difficult to see sites. A lge mature island in obsewing view of R.B. at (3). Variable flows & depth in this section.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 63

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 372 555 U15-SE369 556 River: N1010
 Date 4.16.1996 Time: 14.45 D15-SE375 556 Surveyor name M.G. Accreditation code PF65...

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state Difficult accessBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ deep vee☐ gorge☐ concave/bowl

(If U-shaped glacial valley - add "U")

☒ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 1

Unvegetated point bars 0

Pools 0

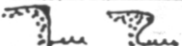








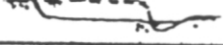



Vegetated point bars 0

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H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		\checkmark	Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	\checkmark		Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	30	RIGHT BANK	
Banktop height (m)	5	Water width (m)	15	Banktop height (m)	20
Embanked height (m)		Water depth (m)	0.4	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Access difficult for most of section. Densley grass on both banks with little macrophyte growth.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number:

64

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 367 558

U/S - SE 367 561

River: U100

D/S - SE 369 556

Date 6/4/1996

Time: 15:45

Surveyor name

MG

Accreditation code

PF65

Adverse conditions affecting survey?

No ☒ Yes ☐

If yes, state

Bed of river visible?

No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character?

No ☐Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ?

No ☒Yes ☐ (tick one box)Site surveyed from: left bank ☒right bank ☐channel ☒ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒Yes ☐

| IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 3

Unvegetated point bars 0

Pools 0

Vegetated point bars 0

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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use $\overline{||||}$) for - Riffles $||$

Pools

Unveg. side bars

Veg point bars

F PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

Photo
4

5

6

Bridge
7
disVis of
8
weir

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes =

Flat Ovoid Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens Fontinalis

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes Phalaris Sparganium

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved










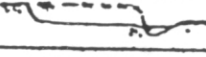

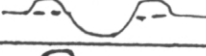

Submerg fine/linear-leaved Lemnaceae/Ranunculus

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	<input type="checkbox"/>	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs rank vegetation (TH)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		<input checked="" type="checkbox"/>	Reinforced - whole bank 		
Deep ($> 45^\circ$) 	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffle - Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	35	RIGHT BANK	
Banktop height (m)	3	Water width (m)	25	Banktop height (m)	25
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
 Footbridges = Roadbridges = 1 Other =
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Perhaps 65 at 7. Very shaded river section with riffle + glide flow near GP + CO substrate. Little macrophyte growth

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: *N100 65*

Mid-site grid reference of network site if different from designated location:

US SE 370563
 Grid Reference: *MP SE 368561* River: *N100*
OS SE 367560
 Date *8.1.8/1996* Time: *11.00* Surveyor name *P. Earle* Accreditation code *PF35*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? *only at 1st bridge* No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature? No ☐ Yes ☒ (tick one box)
*weir X2*Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)**PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles

Unvegetated point bars

Pools

Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	S	S	S	U	U	S	S
LEFT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) B/U/S/C	C	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	U	S	NV	NV	S	S	NV
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SU	BL	IG	IG	IG	NV	TL	TL	TL

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all' ↓

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

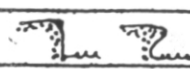
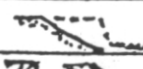

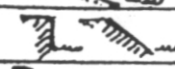






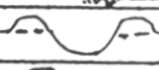

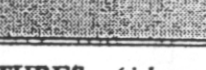
Submerg fine/linear-leaved | elodea

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs - rank vegetation (TH)			Suburban/urban development (SU)	/	/

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	/	/	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	/		Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 	/	
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Muddy No perceptible
 with water and relocated flow.

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	39.0	RIGHT BANK	
Banktop height (m)	1.50	Water width (m)	33.0	Banktop height (m)	NV
Embanked height (m)		Water depth (m)	NV	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☒ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: me to depth and width of channel, substrate is gravelly. In part however it is particularly at the downstream end it was probably comprised of clay/silt. Impressive weir at bottom of site with 2 side channels, apparently with flow control.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: N100 66

Mid-site grid reference of network site if different from designated location:

UB SE 373 565

Grid Reference: MP SE 372 564

River: N100

015 SE 370 563

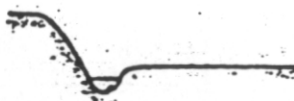
Date 8.1.8.1996 Time: 12:04.. Surveyor name P. Leach Accreditation code PF 35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (2 spot checks only visible) (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

Unvegetated point bars

Pools

Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

EC NO PC/EC NO NO NO NO NO NO NO NO

CHANNEL

NEW - substrate shape codes =

Flat Ovoid ELongate SPheroid CUboid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

NV NV NV NV SP NV NV BO NV NV

Substrate shape FL OV EL SP CU PO IR, Others - note

NA NA NA NA NV NA NA NV NA NA

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

NP NP NP NP NP NP NP NP SM SM

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

NO NO NO VB NO NO NO NO NO NO

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

IS IS IS IS IS IS IS IS IS IS BL

LEFT BANK-TOP (structure within 1m) B/U/S/C

U S U U U U U S U S

LEFT BANK FACE (structure) B/U/S/C

S S B S S S S S S S

RIGHT BANK FACE (structure) B/U/S/C

S S S S S S S S S S

RIGHT BANK-TOP (structure within 1m) B/U/S/C

S U NV U S NV S NV U S

LAND USE WITHIN 5m OF BANK TOP (R)

TL TL TL TL TH TH TH TH TL TL

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

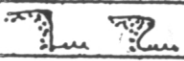








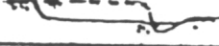
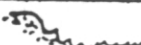
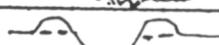

Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs - rank vegetation (TH)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	<input checked="" type="checkbox"/>		Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	<input checked="" type="checkbox"/>		Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 	<input checked="" type="checkbox"/>	
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	33.5	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	30	Banktop height (m)	NV
Embanked height (m)		Water depth (m)	1.0	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E (≥ 33% banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: again, subtle hard to determine due to depth/width of channel sluggish/no perceptible flow.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: **N10 67**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **u/s SE 370 568**
mp SE 372 567
o/s SE 373 565
 Date **8.1.8/1996** Time: **13.05** River: **N100**
 Surveyor name **P. Earle** Accreditation code **PF35**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley -
add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles

Unvegetated point bars

Pools

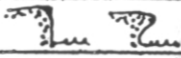












Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. J. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	\checkmark	\checkmark	Rough pasture (RP)	\checkmark	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Wall herbs - rank vegetation (TH)	\checkmark	E	Suburban/urban development (SU)	\checkmark	\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		E	Reinforced - whole bank 	E	E
Deep (>45°) 	\checkmark	\checkmark	Reinforced - top only 		
Gentle 	E		Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

Left Right

None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		*Banktop width (m)	21.0	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	17.5	Banktop height (m)	2.5
Embanked height (m)		Water depth (m)	0.65	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = ☒ Fords =
 Footbridges = Roadbridges = 1 Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: roadbridge at top of stretch, mostly deep, sluggish flow. Much bank reinforcement with Rip Box and small stream enters at new 10.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: N100 68

Mid-site grid reference of network site if different from designated location:

Grid Reference: U15 SE 365 587
MP SE 367 568
U15 SE 370 568 River: _____







Date 8.1.8/1996 Time: 14.0.5 Surveyor name P. Lovell Accreditation code PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. I. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Flat Ovoid Elongate SPheroid CUBoid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens |

Emerg broad-leaved herbs |

Emerg reeds/sedges/rushes |

Floating-leaved (rooted) |

Free-floating |

Amphibious |

Submerged broad-leaved |










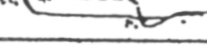



Submerg fine/linear-leaved |

Filamentous algae |

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)		E	Suburban/urban development (SU)	E	\checkmark

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	/		Resectioned 		
Vertical + toe 		/	Reinforced - whole bank 	/	/
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		/
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	25.0	RIGHT BANK	
Banktop height (m)	2.0	Water width (m)	18.0	Banktop height (m)	2.0
Embanked height (m)		Water depth (m)	0.45	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M. ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State Gabion lining with on L.B.

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q. NOTABLE NUISANCE PLANT SPECIES** Use ☐ or ☒ (≥ 33% banklength) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Very difficult access. Mostly deep / sluggish.
my house on L.B. sewage T&Wks at top of section.
with discharge into river, smell of sewage.

S. ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: **N100 69**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **015 SE 363563** River: **N100**
MP SE 364564
015 SE 365567
 Date **8.1.8.1996** Time: **15:35** Surveyor name **P. Scarlett** Accreditation code **PF 35**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**Riffles **2**

Unvegetated point bars

Pools

Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 P. I. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

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LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

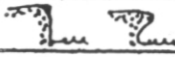
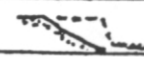
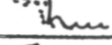


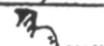




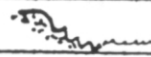


Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	/	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
All herbs rank vegetation (TH)			Suburban/urban development (SU)	E	\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	24.0	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	16.0	Banktop height (m)	2.5
Embanked height (m)		Water depth (m)	0.50	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = 7 Fords =
 Footbridges = 1 Roadbridges = Other = 1 pipe (with bridge)
 Is water impounded by weir/dam? No ☐ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E (≥ 33% banklgth) IF note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Suburban on R.B. is a sewage works. Industrial buildings on L.B. Riffle at top of stretch.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 70

Mid-site grid reference of network site if different from designated location:

Grid Reference: ^{UIS SE 361559} ~~MP SE 362562~~ ^{015 SE 363563} River: N100
 Date 8/8/1996 Time: 1623 Surveyor name P. Seabell Accreditation code PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 4 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. L. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles ||||

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes -

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	NV	SU	SU	RP	BL	SU	SU	SU	NV	SU
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	U	S	S	NV	NV	NV	S
LEFT BANK FACE (structure) B/U/S/C	S	C	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	B	B	B
RIGHT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	U	U	S	U	S	U	B
LAND USE WITHIN 5m OF BANK TOP (R)	NV	NV	SU	SU	SU	SU	SU	SU	SU	SU

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens |

Emerg broad-leaved herbs |

Emerg reeds/sedges/rushes |

Floating-leaved (rooted) |

Free-floating |

Amphibious |

Submerged broad-leaved |

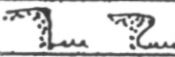









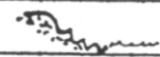


Submerg fine/linear-leaved |

Filamentous algae |

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)	/	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
All herbs - rank vegetation (TH)			Suburban/urban development (SU)	E	E

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	E	E	Resectioned 		
Vertical + toe 			Reinforced - whole bank 	/	
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

I EXTENT OF TREES AND ASSOCIATED FEATURES**TREES** (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

J EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	15.0	RIGHT BANK	
Banktop height (m)	0.4	Water width (m)	14.50	Banktop height (m)	0.15
Embanked height (m)		Water depth (m)	0.25	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M. ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐
N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐
P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q. NOTABLE NUISANCE PLANT SPECIES Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S. ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? NO
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: **71**

(This site overlaps site 70 & 69)

Mid-site grid reference of network site if different from designated location:

Grid Reference: **S1362 563** u/s limit = **360 560** d/s limit = **364 564** River: **NIDD**Date **8/8/1996** Time: **16:14** Surveyor name **DUNNAN** Accreditation code **PF27**Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley -
add "U")☐ deep vee☐ symmetrical floodplain☒ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles **4** Unvegetated point bars **0**Pools **0** Vegetated point bars **0**SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. L. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☒ downstream ☐

1

2

3

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LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes =

Flat Ovoid Elongate SPheroid CUBoid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

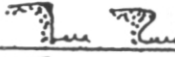






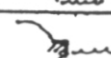

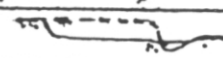



Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs rank vegetation (TH)			Suburban/urban development (SU)	E	E

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	E	E	Resectioned 		
Vertical + toe 	\checkmark		Reinforced - whole bank 		
Deep ($>45^\circ$) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

efide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	15.0	RIGHT BANK	
Banktop height (m)	0.4	Water width (m)	14.50	Banktop height (m)	0.15
Embanked height (m)	/	Water depth (m) (n-3)	0.2055	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 1 Fords = 0
 Footbridges = 0 Roadbridges = 1 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IF note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = CAMP SITE

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: ~~large water flowing through only one~~**S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	NO

B FIELD SURVEY DETAILS

Reference network site number: 72

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE341558 D/s limit = SE359555 U/s limit = SE361561 River: NIDD

Date 8.18.1996 Time: 3:24 Surveyor name Duncan Accreditation code PF27

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☒ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☐ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles ☒ Unvegetated point bars ☒Pools ☒ Vegetated point bars ☒

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. L. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☒ downstream ☐

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Flat Oval Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes *Im*

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved








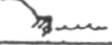

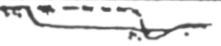



Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs - rank vegetation (TH)			Suburban/urban development (SU)	E	E

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 		E	Resectioned 		
Vertical + toe 			Reinforced - whole bank 	E	\checkmark
Deep ($>45^\circ$) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		\checkmark
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	15.0	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	14.75	Banktop height (m)	0.5
Embanked height (m)	/	Water depth (m)	0.2	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M. ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 2 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☐ Yes, < 33% of site ☒ > 33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q. NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = Arable & woodland

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: At D/S end there are two weirs that pool the water & is used as a bathing area for campers

S. ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? NO
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS







Reference network site number: **73**

Mid-site grid reference of network site if different from designated location:

u/s limit = SE354558

Grid Reference: SE357555 D/s limit = SE359555 River: **NTDD**Date **8.18.1996** Time: **14:31** Surveyor name **DUNNAN** Accreditation code **PF27**Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input checked="" type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	<input checked="" type="checkbox"/>	Unvegetated point bars	<input checked="" type="checkbox"/>
Pools	<input checked="" type="checkbox"/>	Vegetated point bars	<input checked="" type="checkbox"/>

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. L. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☒ downstream ☐

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes -

Flat Ovoid Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens |

Emerg broad-leaved herbs |

Emerg reeds/sedges/rushes |

Floating-leaved (rooted) |

Free-floating |

Amphibious |

Submerged broad-leaved |

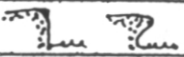








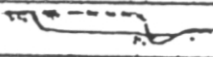



Submerg fine/linear-leaved |

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	\checkmark	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)	\checkmark	\checkmark	Suburban/urban development (SU)	E	

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	\checkmark	E	Resectioned 		
Vertical + toe 			Reinforced - whole bank 	E	
Steep ($> 45^\circ$) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		\checkmark
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	23.0	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	23.0	Banktop height (m)	0.5
Embanked height (m)	/	Water depth (m)	NK	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☒ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? (Nettle Rhododendron bracken)

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = Wooded - hush

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: age river with wooded side on R/B & prominent
 garden on L/B. with ~~Boiliff~~ tells me that this end is a good
 place for Boiliff**S ALDERS** (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? NO
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 74







Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 353 560 ^{U/S limit = SE 352 562} ^{D/S limit = SE 354 558} River: NIDD
 Date 8.1.8./1996 Time: 1:24 Surveyor name DUNCAN Accreditation code PF27

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**

	<input type="checkbox"/> shallow vee		<input checked="" type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles	1	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☒ downstream ☐

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes: -

Flat Ovoid ELongate SPheroid CUBoid POLyedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m each all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs Veronica

Emerg reeds/sedges/rushes Phragmites

Floating-leaved (rooted)

Free-floating

Amphibious Myocallis minnab

Submerged broad-leaved

Submerg fine/linear-leaved

Filamentous algae Brown xanthophytes










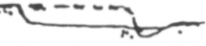


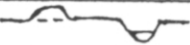
E E E E E E E E E E

ex. 100m 200m 300m 400m 500m 600m 700m 800m 900m 1000m

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)	E	E

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 		E	Resectioned 		
Vertical + toe 			Reinforced - whole bank 	E	<input checked="" type="checkbox"/>
Steep ($> 45^\circ$) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	33.0	RIGHT BANK	
Banktop height (m)	0.01	Water width (m)	33.0	Banktop height (m)	0.01
Embanked height (m)	X	Water depth (m) (n=)	0.05, 0.25 0.50	Embanked height (m)	X

If trashline lower than banktop break in slope, indicate: height (m) = X width(m) = X

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - ~~pollution~~ - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = Urban and woodland

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large slow flowing river**S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☒ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? NO
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 75

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE351565 ^{u/s limit = SE348565} ^{D/s limit = SE352562} River: NIDD
 Date 8/8/1996 Time: 12:29 Surveyor name Duncan Accreditation code PF27

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley -
add "U")☐ deep vee☐ symmetrical floodplain☐ gorge☒ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 2

Unvegetated point bars 0

Pools 0










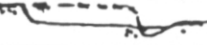



Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"all herbs" rank vegetation (TH)	<input checked="" type="checkbox"/>		Suburban/urban development (SU)	E	E

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	<input checked="" type="checkbox"/>	E	Resectioned 		
Vertical + toe 			Reinforced - whole bank 	E	E
Steep ($>45^\circ$) 	<input checked="" type="checkbox"/>		Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Glide - Riffle - Glide*

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	18.75	RIGHT BANK	
Banktop height (m)	0.4	Water width (m)	18.75	Banktop height (m)	0.4
Embanked height (m)	X	Water depth (m) (V=3)	0.2, 0.25, 0.35	Embanked height (m)	X

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M. ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 1 Fords = 0
 Footbridges = 0 Roadbridges = 1 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q. NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E (≥ 33% banklength) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = GardensAnimals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselfliesOther significant observations: Urbanised River banks making surveying difficult.**S. ALDERS** (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? NO
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 76

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE347568

 6/s limit = SE348565
 6/s limit = SE348571

River: NIDD







Date 8/8/1996 Time: 11:37 Surveyor name Duncan Accreditation code PF27

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☐ Yes ☒ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input checked="" type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	1	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

 SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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Page 2 of 4

Veg point bars

Spot check 1 is: upstream ☒ downstream ☐

1	2	3	4	5	6 <i>used</i>	7	8	9	10
---	---	---	---	---	------------------	---	---	---	----

LEFT BANK **TICK** if functional fence

Material ¹NY,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,BW

Bank modification(s) *NK,NO,RS,RI,PC,BM,EM*

Bank feature(s)	NV,NO,EC,SC,PB,VP,SB,VS
-----------------	-------------------------

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV,BE,BO,CO,GP,SA,SI,CL,PE,AR

Substrate shape *FL OV EL SP CU PO IR, Others - note*Flow type ¹ FF,CH,BW,UW,CF,RP,UP,SM,NP,NOChannel modification(s) *NK,NO,CV,RS,RI,DA,FO*

Channel feature(s)	NV,NO,RO,MB,VB,MI,TR
--------------------	----------------------

RIGHT BANK ☐ TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) *NK,NO,RS,RJ,PC,BM,FM*

Rank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*

Land use: choose **one** from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (*structure within 1m*) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs |

Emerg reeds/sedges/rushes | Phalaris

Floating-leaved (rooted)	
--------------------------	--

Free-floating |

Amphibious |

Submerged broad-leaved |

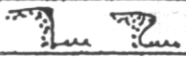












Submerg fine/linear-leaved |

Filamentous algae

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/rank vegetation (TH)	<input checked="" type="checkbox"/>		Suburban/urban development (SU)	E	E

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	<input checked="" type="checkbox"/>	E	Resectioned 		
Vertical + toe 			Reinforced - whole bank 	E	<input checked="" type="checkbox"/>
Steep ($>45^\circ$) 			Reinforced - top only 		<input checked="" type="checkbox"/>
Gentle 	<input checked="" type="checkbox"/>		Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	20.50	RIGHT BANK	
Banktop height (m)	0.25	Water width (m)	20.00	Banktop height (m)	0.25
Embanked height (m)	/	Water depth (m) (n=3)	0.1, 0.2, 0.25	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 2 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other = 1 (wire mesh across river to stop boats)
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒
N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐ Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) very... improve rock formation (see photo)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐
P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q NOTABLE NUISANCE PLANT SPECIES Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: u/s section is very w/bramed. Shipton Moller Case problem on R/B smells of sewage. pretty site

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ? ☒

B FIELD SURVEY DETAILS

Reference network site number:

N10P 77

Mid-site grid reference of network site if different from designated location:

Grid Reference:

DIS SE 348 571

M10 SE 345 571

415 SE 343 572

River:

N10D

Date 8/8/1996

Time: 11:38

Surveyor name

NHanson

Accreditation code

PP64

Adverse conditions affecting survey?

No ☐ Yes ☒

If yes, state

Bed of river visible?

No ☐ partially ☐ entirely ☒ (tick one box)

IFE single photograph: general character?
(duplicate will be made by scanning)

No ☐

Yes ☒ (tick one box)

and, as required, special feature ?

No ☒

Yes ☐ (tick one box)

Site surveyed from: left bank ☐

right bank ☒

channel ☐

(tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee

☐ concave/bowl
(If U-shaped glacial valley -
add "U")

☐ deep vee

☐ symmetrical floodplain

☒ gorge

☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐

| IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

0

Unvegetated point bars

0

Pools

0

Vegetated point bars

0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

BR SR BR BR BR EA EA EA EA EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

RI RI RI RI RI NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO NO NO NO NO NO NO

CHANNEL NEW - substrate shape codes =

FL: Oval Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

NV NV NV NV NV NV NV NV NV NV

Substrate shape FL OV EL SP CU PO IR, Others - note

NA NA NA NA NA NA NA NA NA NA

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

SM NP NP SM SM NP RP NP SM SM

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

NO NO NO NO RS NO NO NO NO NO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

NO NO NO NO NO NO NO NO NO NO

RIGHT BANK TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA EA EA EA BR EA EA EA EA EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

RI NO NO NO RI NO NO NO NO RS/EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO NO NO SC NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

SU SU SU SU SU BL BL BL IG BL

LEFT BANK-TOP (structure within 1m) B/U/S/C

B B B B B B S S U S

LEFT BANK FACE (structure) B/U/S/C

S B S B B S S S S S

RIGHT BANK FACE (structure) B/U/S/C

S C C S B S S S S S

RIGHT BANK-TOP (structure within 1m) B/U/S/C

U B B S B S S U U U

LAND USE WITHIN 5m OF BANK TOP (R)

SU SU SU BL SU BL IG IG IG IG

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (presents) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes PHALARIS

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

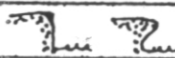











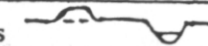
Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs - rank vegetation (TH)			Suburban/urban development (SU)	E	E

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		<input checked="" type="checkbox"/>
Vertical + toe 			Reinforced - whole bank 	E	E
Deep ($> 45^\circ$) 	E	E	Reinforced - top only 		<input checked="" type="checkbox"/>
Gentle 			Reinforced - toe only 		
Composite 	<input checked="" type="checkbox"/>		Artificial two-stage 		
			Poached 		
			Embanked 		<input checked="" type="checkbox"/>
			Set-back embankments 		

I EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

J EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

40-45

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	30.0	RIGHT BANK	
Banktop height (m)	15	Water width (m)	28.0	Banktop height (m)	15
Embanked height (m)	/	Water depth (m)	1.5	Embanked height (m)	0.7

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 1 Other = 1 ZAL BRIDGE
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☒ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number:

NIDD 78

Mid-site grid reference of network site if different from designated location:

Grid Reference:

 DIS SE 343572
 MID SE 341575
 U/S SE 343576

River:

NIDD

Date 8/8/1996

Time: 12.30

Surveyor name

N. Wilson

Accreditation code.

PF64

Adverse conditions affecting survey?

No ☒ Yes ☐

If yes, state

Bed of river visible?

No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character?

No ☐Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ?

No ☒Yes ☐ (tick one box)Site surveyed from: left bank ☒right bank ☐channel ☐

(tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☒ deep vee☐ gorge☐ concave/bowl

(If U-shaped glacial valley - add "U")

☐ symmetrical floodplain☒ asymmetrical floodplainTerraced valley floor? No ☒Yes ☐

| IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

1

Unvegetated point bars

3

Pools

0

Vegetated point bars

0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars \\\

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved











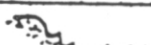


Submerg fine/linear-leaved

Filamentous algae

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	\checkmark	\checkmark	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		\checkmark
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)	\checkmark	

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		\checkmark
Vertical + toe 			Reinforced - whole bank 	\checkmark	\checkmark
Steep ($>45^\circ$) 	\checkmark	\checkmark	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	\checkmark		Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Riffle - Boil - Pool

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	31.0	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	28.0	Banktop height (m)	3.0
Embanked height (m)	—	Water depth (m)	0.75	Embanked height (m)	—

If trashline lower than banktop break in slope, indicate: height (m) = 1.5 width(m) = 30.0

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 2 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 1 vehicle footbridge
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☒ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: 2m up stream of 7. ...

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number:

Nidd 79

Mid-site grid reference of network site if different from designated location:

Grid Reference:

D/S SE343576

MID SE341576

U/S SE338576

River:

Nidd

Date 8.18.1996

Time: 13.57

Surveyor name

N. Nicolson

Accreditation code.

7464

Adverse conditions affecting survey?

No

☒

Yes

☐

If yes, state

Bed of river visible?

No

☐

partially

☒

entirely

☐

(tick one box)

IFE single photograph: general character?

No

☐

Yes

☒

(tick one box)

(duplicate will be made by scanning)

and, as required, special feature ?

No

☐

Yes

☐

(tick one box)

Site surveyed from:

left bank

☒

right bank

☐

channel

☐

(tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)☐

shallow vee

☐

concave/bowl

(If U-shaped glacial valley - add "U")

☐

deep vee

☐

symmetrical floodplain

☐

gorge

☐

asymmetrical floodplain

Terraced valley floor? No

☒

Yes

☐

IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

2

Unvegetated point bars

0

Pools

0

Vegetated point bars

0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. A. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles ||

Pools

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW SA SA SA SA SA SA NV NV NV SA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM NO NO NO NO NO NO NO RI NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS NO NO NO NO NO NO NO NO NO NO

CHANNEL NEW - substrate shape codes - Flat Ovoid Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR NV CO CO CO BE NV NV NV SA BE

Substrate shape FL OV EL SP CU PO IR, Others - note NA PO PO NV IR NA NA NA NA IR

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO SM SM RP SM BW NP SM SM SM UW

Channel modification(s) NK, NO, CV, RS, RI, DA, FO NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR NO NO RO NO RO NO NO NO NO RO

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW SA SA SA SA SA SA SA SA SA BE

Bank modification(s) NK, NO, RS, RI, PC, BM, EM NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L) BL BL BL BL BL IG IG BL BL BL

LEFT BANK-TOP (structure within 1m) B/U/S/C S S S S S U S C S S

LEFT BANK FACE (structure) B/U/S/C S S C S S S S S S C

RIGHT BANK FACE (structure) B/U/S/C S U U S S S S S C C

RIGHT BANK-TOP (structure within 1m) B/U/S/C U S S S S S U S C S

LAND USE WITHIN 5m OF BANK TOP (R) TH BL IG BL IG IG IG TH BL BL

G. CHANNEL VEGETATION TYPES (10m wide transect: E (> 33% area) or tick (present) 500m catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens Pellia FUNGUS HEPATICA

Emerg broad-leaved herbs Najas

Emerg reeds/sedges/rushes Phragmites Sagittaria

Floating-leaved (rooted)

Free-floating Lemna

Amphibious

Submerged broad-leaved

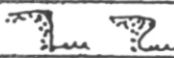

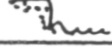









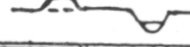
Submerg fine/linear-leaved

Filamentous algae Vaucheria

H LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or ✓ if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)	✓		Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)			Suburban/urban development (SU)		✓

I BANK PROFILES Use E (≥ 33% banklength) or ✓ if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 	✓	
Steep (>45°) 	✓	✓	Reinforced - top only 		
Gentle 	✓		Reinforced - toe only 		
Composite 	✓		Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)			ASSOCIATED FEATURES (tick one box per feature)		
	Left	Right		None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	22.0	RIGHT BANK	
Banktop height (m)	1.5	Water width (m)	13.0	Banktop height (m)	1.5
Embanked height (m)	/	Water depth (m)	0.4	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☒ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐ Artificial open water ☐ Bog ☐ Other (state)
 Waterfalls > 5m high ☐ Natural open water ☐ Carr ☐
 Braided/side channels ☐ Water meadow ☐ Marsh ☐
 Debris dams ☐ Fen ☐ Flush ☐
 Leafy debris ☒

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I or E (> 33% banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: KAR SITE AT SITE.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 80

Mid-site grid reference of network site if different from designated location:

Grid Reference: DIS SE338576
M10 SE336577
4/5 SE333578







River: N100

Date 8/8/1996 Time: 15:00 Surveyor name N. Nicolson Accreditation code PF64

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**

	<input type="checkbox"/> shallow vee		<input checked="" type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles	3	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. L. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles | | |

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ' = one entry only

Spot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Flat Oval Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (> 33% area) or tick (present) 500m 'catch-all'

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

FERNETUS PELLIT
HILGENDRANDIA

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

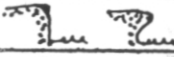











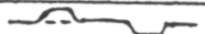
Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Small herbs - rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		<input checked="" type="checkbox"/>	Reinforced - whole bank 		
Deep ($> 45^\circ$) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 	<input checked="" type="checkbox"/>		Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Kicks - Run - dunes

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	18.5	RIGHT BANK	
Banktop height (m)	17	Water width (m)	17.0	Banktop height (m)	18
Embanked height (m)	/	Water depth (m)	0.4	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 1 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number:

NIDD 81

Mid-site grid reference of network site if different from designated location:

Grid Reference: DIS SE333578
M10 SE331577
U15 SE329579

River:

NIDD

Date 8/8/1996

Time: 16-00

Surveyor name

NN Morison

Accreditation code.

PF64

Adverse conditions affecting survey?

No ☐ Yes ☒

If yes, state

Bed of river visible?

No ☐ partially ☐ entirely ☒ (tick one box)IFE single photograph: general character?
(duplicate will be made by scanning)No ☐Yes ☒ (tick one box)

and, as required, special feature ?

No ☒Yes ☐ (tick one box)Site surveyed from: left bank ☒right bank ☐channel ☐

(tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)☐

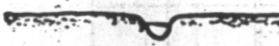
shallow vee

☐

concave/bowl

(If U-shaped glacial valley -
add "U")☐

deep vee

☐

symmetrical floodplain

☐

gorge

☐

asymmetrical floodplain

Terraced valley floor? No ☒Yes ☐

| IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

2

Unvegetated point bars

0

Pools

0

Vegetated point bars

1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles ☐

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ - one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes =

Flat Ovoid Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (> 33% area) or tick (present) 500m 'catch-all'

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

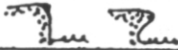









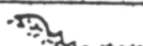


Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)	<input checked="" type="checkbox"/>		Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Small herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 		<input checked="" type="checkbox"/>	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($> 45^\circ$) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only 		
Gentle 	<input checked="" type="checkbox"/>		Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Rapid - Riffle - Glide

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	160	RIGHT BANK	
Banktop height (m)	25	Water width (m)	130	Banktop height (m)	18
Embanked height (m)	/	Water depth (m)	01	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)

M. ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other = 0
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐
N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐
P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q. NOTABLE NUISANCE PLANT SPECIES Use ☐ or E (≥ 33% banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S. ALDERS (tick appropriate box(es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number:

N100 82

Mid-site grid reference of network site if different from designated location:

Grid Reference:	D15 SE329579	River:	N100
	M10 SE331582		
	U15 SE329583		
Date 8/8/1996	Time: 16.29	Surveyor name	NN100000
		Accreditation code.	PF64

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)


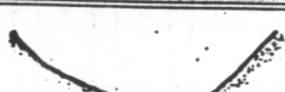

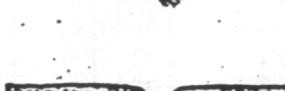


IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input checked="" type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	1	Unvegetated point bars	2
Pools	0	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JMI) for - Riffles \

Pools

Unveg. side bars //

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

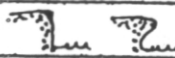








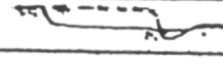



Filamentous algae

(8)

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	\checkmark	\checkmark	Rough pasture (RP)		
Coniferous plantation (CP)	\checkmark		Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
All herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 	\checkmark	\checkmark	Reinforced - whole bank 		
Steep ($>45^\circ$) 	\checkmark	\checkmark	Reinforced - top only 		
Gentle 	\checkmark		Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

RAPID - RUN - GLIDE

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	23.5	RIGHT BANK	
Banktop height (m)	1.5	Water width (m)	20.0	Banktop height (m)	1.2
Embanked height (m)	/	Water depth (m)	0.30	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILSReference network site number: N100 83.

Mid-site grid reference of network site if different from designated location:

 Grid Reference: DIS SE 329 583
 MID SE 327 583
 ULS SE 325 583
River: N100Date 9/8/1996 Time: 10:40 Surveyor name N. NICOLSON Accreditation code PF64Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☐ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☒ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley -
add "U")☐ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**Riffles 3 Unvegetated point bars 0Pools 0 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles |||

Pools

Unveg. side bars

Veg point bars |

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO SB NO NO NO NO VP NO

CHANNEL NEW - substrate shape codes =

FLat Ovoid ELongate SPheroid CUboid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

NV CO CO CO BC CO BC NV BE BE

Substrate shape FL OV EL SP CU PO IR, Others - note

NA PO NV PO IR IR IR NA NV FL

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

SM UW SM SM RP SM SM SM UW UW

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

NO VB NO NO RD NO NO NO RO NO

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO SB NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

BL BL BL BL BL BL BL BL BL BL

LEFT BANK-TOP (structure within 1m) B/U/S/C

B S S S C S S S S S

LEFT BANK FACE (structure) B/U/S/C

S S C S C S S S S C

RIGHT BANK FACE (structure) B/U/S/C

S S C S C S S S C C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

S S S S S C S S C C

LAND USE WITHIN 5m OF BANK TOP (R)

BL BL BL BL BL BL BL BL BL BL

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Bryophytes/lichens

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Emerg broad-leaved herbs

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Emerg reeds/sedges/rushes

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Floating-leaved (rooted)

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Free-floating

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Amphibious

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Submerged broad-leaved

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Submerg fine/linear-leaved

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

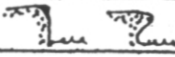








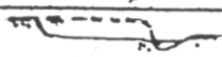



Filamentous algae

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	Σ	Σ	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		\checkmark	Reinforced - whole bank 		
Steep ($>45^\circ$) 	Σ	Σ	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

RIFLE - RUN - POOL

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	16.5	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	15.0	Banktop height (m)	1.0
Embanked height (m)	/	Water depth (m)	0.5	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = _____ width(m) = _____

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 1 Roadbridges = 0 Other = 0
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None	<input type="checkbox"/>				
Waterfalls > 5m high	<input type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>
Braided/side channels	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>
Debris dams	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>
Leafy debris	<input checked="" type="checkbox"/>	Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>
				Other (state)	

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES Use ☐ or *E* ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? ☐ Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *Handwritten notes on this line.*

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 84

Mid-site grid reference of network site if different from designated location:

Grid Reference: DIS 5E325583
 MID 5E325585
 ULS 5E322586
 River: N100
 Date 9/8/1996 Time: 11.54 Surveyor name N Nicolson Accreditation code 7F6L4

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☒ deep vee☐ gorge☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ symmetrical floodplain☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 1 Unvegetated point bars 0

Pools 0 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles \

Pools

Unveg. side bars

Veg point bars (

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

CA EA EA BO CO CO NV NV EA NV

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO NO NO NO NO NO NO

CHANNEL NEW - substrate shape codes =

FL Ovoid ELongate SPheroid CUboid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

NV CO CO CO CO CO CO NV NV NV

Substrate shape FL OV EL SP CU PO IR, Others - note

NA PO PO PO PO PO PO NA NA NA

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

SM SM RP RP SM RP RP SM NP NP

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

NO NO NO RO NO RO RO NO NO NO

RIGHT BANK TICK if functional fenceMaterial ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

GA EA EA SA SA EA EA EA EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

SB NO SB SB VP NO NO NO SB NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	CP	CP	CP
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	S	S	C	S	S	S	S
LEFT BANK FACE (structure) B/U/S/C	S	S	u	S	C	C	S	S	S	S
RIGHT BANK FACE (structure) B/U/S/C	S	C	B	S	u	C	S	S	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	B	S	B	S	S	u	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	IG	IG	BL	IG	BL

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens ¹ FERTILIS PCLIA

✓

Emerg broad-leaved herbs ¹ MIMULUS PANDUNCUS

✓

Emerg reeds/sedges/rushes ¹ PTERIS

✓

Floating-leaved (rooted) |

Free-floating |

Amphibious ¹ ACROSTIS

✓

Submerged broad-leaved |

Submerg fine/linear-leaved |










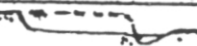
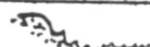


Filamentous algae

✓

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)	\checkmark		Improved/semi-improved grass (IG)		\checkmark
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	\checkmark		Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 		\checkmark	Artificial two-stage 		
			Poached 		\checkmark
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

RAPID - RIFFLE - RUN.

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	16.5	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	13.0	Banktop height (m)	1.2
Embanked height (m)	/	Water depth (m)	0.2	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 1 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: N100 85

Mid-site grid reference of network site if different from designated location:

Grid Reference: DIS 55322 586
 MID 55320 588
 ULS 55317 587
 Date 9/8/1996 Time: 13.00 River: N100
 Surveyor name N Nilsson Accreditation code PF64

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☐ symmetrical floodplain☒ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 2 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

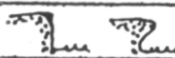





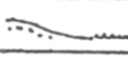


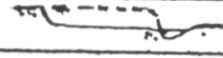


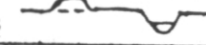
Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)	<input checked="" type="checkbox"/>		Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		<input checked="" type="checkbox"/>	Open water (OW)		
"all herbs" rank vegetation (TH)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut 	<input checked="" type="checkbox"/>		Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 		<input checked="" type="checkbox"/>	Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)			ASSOCIATED FEATURES (tick one box per feature)		
	Left	Right		None	Present E ($\geq 33\%$)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Riffle - Run - Glaze

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	19.0	RIGHT BANK	
Banktop height (m)	2	Water width (m)	15.0	Banktop height (m)	12
Embanked height (m)	1	Water depth (m)	0.4	Embanked height (m)	1

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other = 0Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐**N EVIDENCE OF RECENT MANAGEMENT** (tick appropriate box(es))None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State**O FEATURES OF SPECIAL INTEREST** (tick appropriate box(es))None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐**P CHOKED CHANNEL** (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *Tree 10m high, 10cm dbh, 10m high, 10cm dbh, 10m high, 10cm dbh***S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number:

Nidd 86

Mid-site grid reference of network site if different from designated location:

Grid Reference:

DIS SE 317587

MID SE 316586

UIS SE 313584

River:

Nidd

Date 9/8/1996

Time: 14.32

Surveyor name

N. Nicolson

Accreditation code

PF64

Adverse conditions affecting survey?

No ☒ Yes ☐

If yes, state

Bed of river visible?

No ☐ partially ☒ entirely ☐ (tick one box)

IFE single photograph: general character?

No ☐Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ?

No ☒Yes ☐ (tick one box)Site surveyed from: left bank ☒right bank ☐channel ☐

(tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)☐ shallow vee☐ concave/bowl

(If U-shaped glacial valley - add "U")

☒ deep vee☐ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☐ Yes ☒

| IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles

1

Unvegetated point bars

0

Pools

0

Vegetated point bars

0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles |

Pools

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

GA GA GA GA EA EA GA GA GA GA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO NO EC NO NO NO NO

CHANNEL NEW - substrate shape codes =

FLas OVoid ELangate SPheroid CUboid POlyhedral IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

NV NV BE BE BO BE CO NV NV NV

Substrate shape FL OV EL SP CU PO IR, Others - note

NA NA FL FL PO FL PO NA NA NA

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

NP NP SM SM SM RP RP NP NP NP

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

NO NO NO NO NO NO NO DA NO NO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

NO NO NO NO NO NO UB TR NO NO NO

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

GA GA GA GA GA GA GA GA GA GA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO NO NO NO PC NO NO NO NO NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO NO NO NO SB NO SB NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

IG IG IG TH TH IG SU TH CP CP

LEFT BANK-TOP (structure within 1m) B/U/S/C

S S S S S S S S S S

LEFT BANK FACE (structure) B/U/S/C

S S S S S B S S S S

RIGHT BANK FACE (structure) B/U/S/C

S S S S S S S S S S

RIGHT BANK-TOP (structure within 1m) B/U/S/C

S S S S S S S S S S

LAND USE WITHIN 5m OF BANK TOP (R)

TH BL BL BL BL BL BL CP CP CP

G. CHANNEL VEGETATION TYPES (10m wide transect: E (> 33% area) or tick (present) 500m 'catch-all'

NONE / PLANT GENERA - list first 5

Bryophytes/lichens FONTINALIS

Emerg broad-leaved herbs VERONICA MINUTUS

Emerg reeds/sedges/rushes PHALARIS. SAGITTARIUM.

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

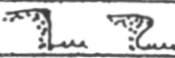












Filamentous algae

	✓	✓	✓	✓			✓	✓	✓	
							✓			✓
							✓			
✓						✓	✓			
						✓	✓			✓

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Wall herbs/rank vegetation (TH)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only 		
Gentle 		<input checked="" type="checkbox"/>	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Run - Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	22.0	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	20.0	Banktop height (m)	1.4
Embanked height (m)	—	Water depth (m)	0.2	Embanked height (m)	—

If trashline lower than banktop break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 1 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ bank length) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: LARGE (2 km x 1 km) area of ...

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☐ Present ☒ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number:

N100 87

Mid-site grid reference of network site if different from designated location:

Grid Reference: ^{vis SE 313584} MID SE 311585 ^{vis SE 308585} River: N100

Date 9/18/1996 Time: 15:19 Surveyor name NN Wilson Accreditation code PF 64

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☐ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 0 Unvegetated point bars 0

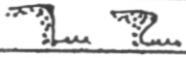









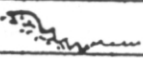


Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)	\checkmark	\checkmark	Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
all herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 		\checkmark	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($> 45^\circ$) 	\checkmark	\checkmark	Reinforced - top only 		
Gentle 	\checkmark	\checkmark	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

No predominant flow

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	24.0	RIGHT BANK	
Banktop height (m)	15	Water width (m)	20.0	Banktop height (m)	13
Embanked height (m)	/	Water depth (m)	NK	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or ☒ (≥ 33% banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? No
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: **88**

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 306584

U/S limit = SE 304583

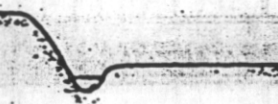
D/S limit = SE 308585

River: **NID**Date **9/8/1996** Time: **14:15** Surveyor name **DUNLAN** Accreditation code **PF27**Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)








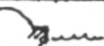





Riffles **0**Unvegetated point bars **0**Pools **0**Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	\checkmark	E	Rough pasture (RP)		
Coniferous plantation (CP)	E		Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		\checkmark	Open water (OW)		\checkmark
"All herbs" rank vegetation (TH)		E	Suburban/urban development (SU)		\checkmark

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	E	E	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide / Non-perceptible

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	10.5	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	19.5	Banktop height (m)	0.5
Embanked height (m)	X	Water depth (m)	NK	Embanked height (m)	X

If trashline lower than banktop break in slope, indicate: height (m) = X width(m) = X

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 1 (Red bridge + culvert)
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E (≥ 33% banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselfliesOther significant observations: Low water levels - say that SW discharge is low
 increased sewage. Wastewater treatment plant
 on R/R is a gully/fat-pipe at D/S end**S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? NO
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 89

Mid-site grid reference of network site if different from designated location:

u/s limit = SE 302585

D/s limit = SE 304583

Grid Reference: SE 302 583

River: NIDD



Date 9/8/1996 Time: 13:18 Surveyor name DUNCAN Accreditation code PF27

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☐ Yes ☒ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 ☐ shallow vee ☐ concave/bowl
(If U-shaped glacial valley - add "U") ☐ deep vee ☒ symmetrical floodplain ☐ gorge ☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles ☒ Unvegetated point bars ☒Pools ☒ Vegetated point bars ☒SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ' = one entry only

Spot check 1 is: upstream ☒ downstream ☐

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material 'NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ' NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ' FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material 'NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens |

Emerg broad-leaved herbs | *Worms*Emerg reeds/sedges/rushes | *Phragmites*

Floating-leaved (rooted) |

Free-floating |

Amphibious |

Submerged broad-leaved |



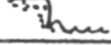










Submerg fine/linear-leaved |

Filamentous algae |

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)	\checkmark		Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	\checkmark
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		\checkmark	Open water (OW)		
"All herbs" rank vegetation (TH)		\checkmark	Suburban/urban development (SU)		\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	E	E	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Deep ($>45^\circ$) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES**TREES (tick one box per bank)**

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Pick

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	18.00	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	18.00	Banktop height (m)	1.0
Embanked height (m)	X	Water depth (m)	NK	Embanked height (m)	X

If trashline lower than banktop break in slope, indicate: height (m) = X width(m) = X

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: At D/s end is a STW. White scum in surface of water (photo taken 12/01) of the high OAK BECK

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? NO
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: **98**

Mid-site grid reference of network site if different from designated location:


u/s limit = SE 301591

Grid Reference: SE 302588 D/s limit = SE 302585 River: **NIDD**Date **9/8/1996** Time: **12:38** Surveyor name **DUNLAN** Accreditation code **PF27**Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 ☒ shallow vee ☐ concave/bowl
(If U-shaped glacial valley - add "U") ☐ deep vee ☐ symmetrical floodplain ☐ gorge ☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles **2** Unvegetated point bars **0**Pools **1** Vegetated point bars **0**SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles ||

Pools |

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☒ downstream ☐

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	CP	BL	IG	PL	IG	IG	IG	IG	BL	BL
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	U	S	U	U	U	U	S	S
LEFT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	U	S	S
RIGHT BANK FACE (structure) B/U/S/C	S	U	S	S	S	S	S	S	B	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	B	U	U	S	B	U	B	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	TH	IG	IG	IG	IG	IG	IG	IG	IG

G. CHANNEL VEGETATION TYPES (10m wide transect: E. (> 33% area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs Myrica

Emerg reeds/sedges/rushes PHALARIS

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

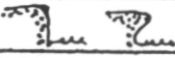

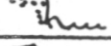






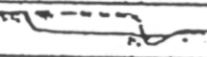
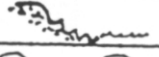


Filamentous algae

FT

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)	<input checked="" type="checkbox"/>		Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	<input checked="" type="checkbox"/>	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		<input checked="" type="checkbox"/>	Open water (OW)		
All herbs - rank vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	E	<input checked="" type="checkbox"/>	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 		E	Artificial two-stage 		
			Poached 		<input checked="" type="checkbox"/>
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	13.0	RIGHT BANK	
Banktop height (m)	2.1	Water width (m)	19.0	Banktop height (m)	1
Embanked height (m)	/	Water depth (m)	NK	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others eg.None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large Alder wood River.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ? NO
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 91

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE299392 *u/s limit = SE296594* *ds limit = SE301591* River: NIDOD


Date 9/8/1996 Time: 11:56 Surveyor name DUNCAN Accreditation code PF27

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 ☒ shallow vee ☒ concave/bowl
(If U-shaped glacial valley - add "U") ☐ deep vee ☐ symmetrical floodplain ☐ gorge ☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 2 Unvegetated point bars 0

Pools 1 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles ||

Pools |

Unveg. side bars ☒

Veg point bars ☒

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry only

Spot check 1 is: upstream ☒ downstream ☐

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

LEFT BANK **TICK if functional fence**

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL **NEW** - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK **TICK if functional fence**

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	CP	CP	CP	CP	CP	CP	CP	CP
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	U	S	S	S	S	S	S	S
LEFT BANK-FACE (structure) B/U/S/C	S	S	U	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	S	S	B	S	S	S	B
RIGHT BANK-TOP (structure within 1m) B/U/S/C	U	U	U	U	S	U	U	U	U	B
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IF	IG	IG	IG	IG

G. CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m catch-all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs Myo x8 veronica

Emerg reeds/sedges/rushes Phalaris

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

Filamentous algae

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

L - TL - LP
R - + IR - PC + LAMP

MV/S

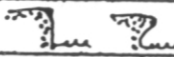








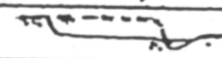



SC - V

FT

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)	E		Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
All herbs rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	E	E	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 		<input checked="" type="checkbox"/>	Artificial two-stage 		
			Poached 		<input checked="" type="checkbox"/>
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Glide

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	22.50	RIGHT BANK	
Banktop height (m)	2.00	Water width (m)	18.50	Banktop height (m)	1.80
Embanked height (m)	X	Water depth (m) (n=3)	0.15, 0.12	Embanked height (m)	X

If trashline lower than banktop break in slope, indicate: height (m) = X width(m) = X

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M. ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q. NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R. OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Alder lined river with a pool at the end
 for road lined by cattle is impounded to the left of the pool**S. ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☐ Present ☒ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation? NO
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: **92**

Mid-site grid reference of network site if different from designated location:

u/s limit = SE293517
 Grid Reference: SE295515 D/s limit = SE296594 River: **N700**

Date **9/8/1996** Time: **10:58** Surveyor name **DUNCAN** Accreditation code **PF27**Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☒ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☐ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles **3** Unvegetated point bars ☒Pools ☒ Vegetated point bars ☒

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.E. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars

Veg point bars

H. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☒ (downstream ☐

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	TH	BL	BL	BL	TH	TH
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	S	U	S	S	S	S	U
LEFT BANK FACE (structure) B/U/S/C	S	U	U	S	U	S	S	S	S	U
RIGHT BANK FACE (structure) B/U/S/C	U	S	U	S	U	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	U	U	U	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	BL	BL	BL	BL	BL

G. CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m catch-all)

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

L = BL + CP + RI + P

R = E + F + S + U

W = E + F + S + U

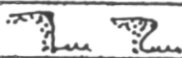








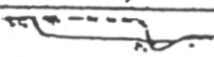


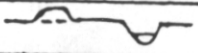
or

SIC

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)	\checkmark		Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)	E		Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	\checkmark	\checkmark	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 	\checkmark	
Gentle 			Reinforced - toe only 		
Composite 		\checkmark	Artificial two-stage 		
			Poached 		\checkmark
			Embanked 		
			Set-back embankments 		E

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Glide - Riffle - Glide*

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	20.00	RIGHT BANK	
Banktop height (m)	1.5	Water width (m)	16.50	Banktop height (m)	1.75
Embanked height (m)	X	Water depth (m) (A=3)	0.3, 0.25, 0.3	Embanked height (m)	X

If trashline lower than banktop break in slope, indicate: height (m) = X width(m) = X

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or ☒ (> 33% bank/gh) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = On L/P there is a small conifer plantation, fairly recent as trees are small (4m)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large tree lined river,

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km) 97	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: M100 93

Mid-site grid reference of network site if different from designated location:

Grid Reference: U15 SE 288 597
 M1P SE 290 597
 O1S SE 293 597

River: M100

Date 9.18.1996 Time: 11:00 Surveyor name P. Forlett Accreditation code PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☐ Yes ☒ (tick one box)Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 5 Unvegetated point bars 1

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.E. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ' = one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes

Flat Oval Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

RP

RP

RP

TH

TH

BL

TH

TH

TH

TH

LEFT BANK-TOP (structure within 1m) B/U/S/C

U

U

S

S

S

S

S

S

S

S

LEFT BANK FACE (structure) B/U/S/C

S

S

S

S

S

S

S

S

S

S

RIGHT BANK FACE (structure) B/U/S/C

S

S

S

S

S

S

B

S

C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

U

S

U

S

U

U

U

S

S

S

LAND USE WITHIN 5m OF BANK TOP (R)

RP

RP

RP

RP

RP

RP

TH

BL

BL

NV

G. CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

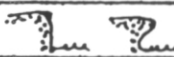








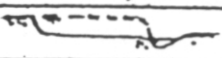
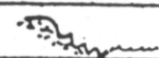


Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or / if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	/	/	Rough pasture (RP)	/	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)	/	/	Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or / if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	/	/	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 		/	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		/
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **RIFPLE / glide**

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	23.0	RIGHT BANK	
Banktop height (m)	2.0	Water width (m)	20.0	Banktop height (m)	2.0
Embanked height (m)		Water depth (m)	0.50	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒ Artificial open water ☐ Bog ☐ Other (state)
 Waterfalls > 5m high ☐ Natural open water ☐ Carr ☐
 Braided/side channels ☐ Water meadow ☐ Marsh ☐
 Debris dams ☐ Fen ☐ Flush ☐
 Leafy debris ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I or E (> 33% banklgh) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: dead rainbow trout. Excellent riffle/glide sequence at U/S est. O/S more sluggish than rest. Channel enters at (10)

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: N100 94

Mid-site grid reference of network site if different from designated location:

Grid Reference: US SE 284 594
MP SE 285 596
DIS SE 288 597

River: N100
 Date 9/8/1996 Time: 12:00 Surveyor name P. Loeblt Accreditation code PF35

Adverse conditions affecting survey? ☒ No ☐ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 6Unvegetated point bars 1Pools 1

Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use ||||) for - Riffles ||||Pools |Unveg. side bars |

Veg point bars

F PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes =

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

Flat Oval Elongate Spheroid Cuboid Polyhedral Irregular Other - note

EA	CC	EA	EA	EA	EA	EA	EA	EA	EA
NO	RI	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO	BO	SP	SP	SP	SP	SP	CO	SP	SP
IR	IR	NV	NV	IR	IR	OV	NV	IR	IR
SM	RP	SM	SM	SM	RP	SM	SM	RP	SM
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	TH	RP	BL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	S	S	U	U	S	U	S
LEFT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	U	U	S	S	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	TH	TH	IS	IS	TH	TL	TL	TL

G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

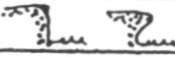





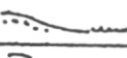


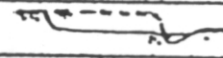

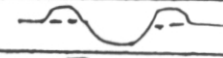

Submerg fine/linear-leaved

Filamentous algae

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	\checkmark		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs rank vegetation (TH)			Suburban/urban development (SU)	\checkmark	\checkmark

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 	\checkmark	\checkmark
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

nd state predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	24.00	RIGHT BANK	
Banktop height (m)	1.50	Water width (m)	20.0	Banktop height (m)	1.50
Embanked height (m)		Water depth (m)	0.50	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒ Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES Use I or E (> 33% banklgth) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill ☒ dam ☒ road - rail - industry -
 housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper ☒ - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: earth barrier appears to have been placed across channel towards downstream side large road bridge.
 Riffle / run towards bottom end, 215 deep, slow flow, very little section occurs near house and old site of mill.

S ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: N100 95

Mid-site grid reference of network site if different from designated location:

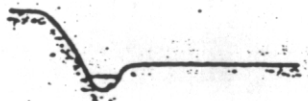
Grid Reference: US SE 277595
 MR SE 281594
 DS SE 284594
 River: N100
 Date 9/8/1996 Time: 13:00 Surveyor name P. Larkett Accreditation code PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 3

Unvegetated point bars

Pools

Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TBN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes -

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL, OV, EL, SP, CU, PO, IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect; E, $\geq 33\%$ area) or tick (present) 500m 'catch-all'

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved




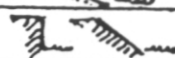





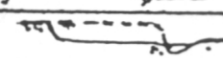
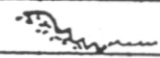
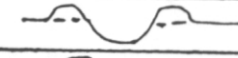

Submerge fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)	<input checked="" type="checkbox"/>		Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		/
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	E		Reinforced - toe only 		/
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	16.0	RIGHT BANK	
Banktop height (m)	0.50	Water width (m)	11.0	Banktop height (m)	2.0
Embanked height (m)		Water depth (m)	0.20	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I or E (≥ 33% bank height) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Some Rip Rap reinforced at top of d
stretch mostly riffle/glide some MoD channel**S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☐ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: N10096

Mid-site grid reference of network site if different from designated location:

US SE 274597
 Grid Reference: MP SE 275596 River: N100
 OS SE 277595
 Date 9.1.8.1996 Time: 14.08 Surveyor name P. Scarlett Accreditation code PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles S Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHI) for - Riffles

Pools

Unveg. side bars

Veg point bars

H. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☐ downstream ☒

1 2 3 4 5 6 7 8 9 10

LEFT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes

Flat Ovoid Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m catch-all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

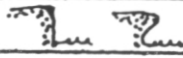






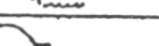

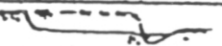
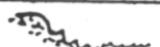


Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	\checkmark	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
All herbs - rank vegetation (TH)	\checkmark	\checkmark	Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	\checkmark	\checkmark	Resectioned 		
Vertical + toe 		\checkmark	Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 	\checkmark	
Composite 			Artificial two-stage 		
			Poached 		\checkmark
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	18.0	RIGHT BANK	
Banktop height (m)	1.50	Water width (m)	17.0	Banktop height (m)	1.50
Embanked height (m)		Water depth (m)	0.50	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I or E (> 33% banklength)

IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: N100 97

Mid-site grid reference of network site if different from designated location:

Grid Reference: US SE 270594
MP SE 272596
DS SE 274597
 Date 9/8/1996 Time: 15:00 River: N100
 Surveyor name P. Laidt Accreditation code PF 35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

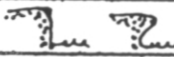








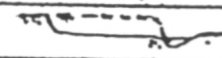



Riffles 3 Unvegetated point barsPools 1 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. A. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	/		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		/
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)	/	E	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	/	/	Resectioned 		
Vertical + toe 	/		Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 		/	Reinforced - toe only 	/	
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	18.0	RIGHT BANK	
Banktop height (m)	1.25	Water width (m)	14.0	Banktop height (m)	1.25
Embanked height (m)		Water depth (m)	0.20	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = 2 Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I or E (≥ 33% banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☐ Present ☒ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 98

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE270593 ^{U/S 270 590} River: N100
 Date 9.1.8.1996 Time: 14:55 ^{D/S - SE 271 596} Surveyor name M4 Accreditation code PF65

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state Difficult access.Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 4

Unvegetated point bars 0

Pools 0

Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JH) for - Riffles

Pools

Unveg. side bars

Veg point bars

H PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ - one entry onlySpot check 1 is: upstream ☒ downstream ☐

1

2

3

4

5

6

7

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes -

Flat Oval Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (> 33% area) or tick (present) 500m catch-all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes Phalaris

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

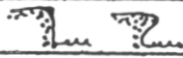








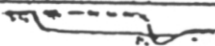
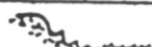

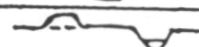
Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>		Open water (OW)		
"All herbs" rank vegetation (TH)		E	Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 	E		Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 	<input checked="" type="checkbox"/>	
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): R/LV - G/D/E

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	37	RIGHT BANK	
Banktop height (m)	1.5	Water width (m)	22	Banktop height (m)	3
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)

M. ARTIFICIAL FEATURES (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = / Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐
N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐
P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q. NOTABLE NUISANCE PLANT SPECIES Use ☐ or E (☒ > 33% banklgh) IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -
housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - (buffer strip) - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: LB - buffer strip. Embankment on LB discontinued.
Riffle section act as natural weir - 1gish drop in height + slow flow above.
Site ends on a riffle with a fallen willow on LB

S. ALDERS (tick appropriate box(es))

Alders? None ☐ Present ☐ Extensive ☒ Discased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 99

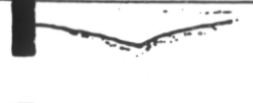
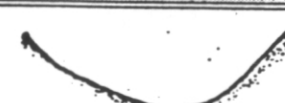




Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 268 590 U/S - SE 266 591 River: NIDD
 Date 9/18/1996 Time: 13:50 D/S - SE 270 590 Surveyor name M.G. Accreditation code PF65

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state Difficult access to partsBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**

 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 3 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles (|

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☒ downstream ☐

1

2

3

Dis of
4th Riffle

5

6

7

Dis of
8th Riffle

9

10

LEFT BANK

TICK if functional fence

✓

✓

✓

✓

✓

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA

EA

EA

EA

EA

EA

EA

EA

EA

EA

EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

CHANNEL NEW - substrate shape codes

Flat Ovoid ELongate SPheroid CUBoid POLyhedraL IRregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

NV

NV

CO

CO

CO

CO

CO

NV

BO

NV

Substrate shape FL OV EL SP CU PO IR, Others - note

NK

NK

OV

OV

OV

OV

OV

NK

IR

NK

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

SM

SM

SM

RP

RP

UW

SM

SM

SM

SM

SM

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

RIGHT BANK

TICK if functional fence

✓

✓

✓

✓

✓

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

EA

EA

EA

EA

EA

EA

EA

EA

EA

EA

EA

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

EM

EM

EM

NO

NO

NO

NO

NO

NO

NO

NO

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

TL

TL

TL

TL

TL

TL

TL

TL

TL

TL

TL

LEFT BANK-TOP (structure within 1m) B/U/S/C

S

S

S

S

S

S

S

S

S

S

S

LEFT BANK FACE (structure) B/U/S/C

C

C

S

C

S

S

S

S

S

S

S

RIGHT BANK FACE (structure) B/U/S/C

C

C

S

S

S

C

S

S

S

S

S

RIGHT BANK-TOP (structure within 1m) B/U/S/C

S

S

U

S

S

S

U

C

C

C

C

LAND USE WITHIN 5m OF BANK TOP (R)

TL

TL

TL

BL

BL

BL

TL

BL

BL

BL

BL

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all')

NONE

/ PLANT GENERA - list first 5

✓

✓

✓

Bryophytes/lichens

Fontinalis

✓

✓

✓

Emerg broad-leaved herbs

Najas, Meibomia

✓

✓

✓

Emerg reeds/sedges/rushes

Phalaris, Scirpus

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

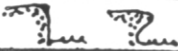












Submerg fine/linear-leaved

Filamentous algae

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	\checkmark		Open water (OW)		
Fall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 		\checkmark	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($> 45^\circ$) 	E	E	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		\checkmark
			Embanked 		
			Set-back embankments 		

I EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

J EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	30	RIGHT BANK	
Banktop height (m)	2	Water width (m)	25	Banktop height (m)	2
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Generally deeper than ups sections with slower flow
D/S end of site is at a cattle drink of RB opposite a veg. mid channel bar.**S ALDERS** (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 100

Mid-site grid reference of network site if different from designated location:

U15 - SE260 592

Grid Reference: SE263 591

River: N100

DS - SE266 591

Date 9/18/1996 Time: 12:50 Surveyor name M.G. Accreditation code PF65

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state Access to river difficult in placesBed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 2

Unvegetated point bars 0

Pools 0

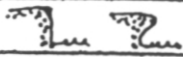






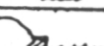




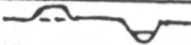
Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 		<input checked="" type="checkbox"/>	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	E	E	Reinforced - top only 		
Gentle 		<input checked="" type="checkbox"/>	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		<input checked="" type="checkbox"/>
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	32	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	25	Banktop height (m)	2
Embanked height (m)		Water depth (m)	0.25	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I or E (> 33% bank/ht) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☒ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Site starts under roadbridge. River runs through filled floodplain. Embanked RB at water end of sect in. Not all wadeable + so access a little difficult in places. Thin strip of BL on LB, then TL

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 101

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 258 591 VIS - SE 256 592 River: N100
 Date 9.14.1996 Time: 12:00 DIS - SE 260 592 Surveyor name MG Accreditation code PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 3

Unvegetated point bars 0

Pools 0

Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles |||

Pools

Unveg. side bars

Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry onlySpot check 1 is: upstream ☒ downstream ☐

1

2

Just abv
30 ft
small trib.

4

5

Photo
6just abv
70 ft
leaves of grass

8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes

Flat Oval Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect: E. $\geq 33\%$ area) or tick (presents) 500m each all

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs Verbeke Myosotis

Emerg reeds/sedges/rushes Phalaris

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

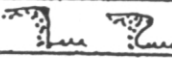









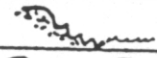


Submerg fine/linear-leaved

Filamentous algae

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)			Suburban/urban development (SU)		<input checked="" type="checkbox"/>

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> B.ing
Steep ($>45^\circ$) 	<input checked="" type="checkbox"/>		Reinforced - top only 		
Gentle 	E	E	Reinforced - toe only 		
Composite 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

and indicate predominant flow sequence (select up to three features): Glide - Riffle

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	24	RIGHT BANK	
Banktop height (m)	1.5	Water width (m)	22	Banktop height (m)	7.5
Embanked height (m)		Water depth (m)	0.4	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I or E (≥ 33% banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Site ends under bridge. Largely glide flow through tree lined channel. Artificial weir on 1/2 of channel under bridge.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Discased Alders? None ☐ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 102

Mid-site grid reference of network site if different from designated location:

DIS - SE 250593

Grid Reference: SE 254592

River: N100

DIS - SE 256592

Date 9.1.96/1996 Time: 11:00 Surveyor name MG Accreditation code PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☒ symmetrical floodplain☐ gorge☐ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 3

Unvegetated point bars 0

Pools 0










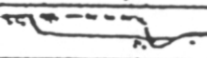



Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

LAND USE WITHIN 50m OF RANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	\checkmark	E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 		\checkmark	Reinforced - whole bank 	\checkmark	\checkmark
Steep ($>45^\circ$) 	E	\checkmark	Reinforced - top only 		
Gentle 	\checkmark	\checkmark	Reinforced - toe only 		
Composite 		E	Artificial two-stage 		
			Poached 		\checkmark
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffle Run Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	30	RIGHT BANK	
Banktop height (m)	1	Water width (m)	18	Banktop height (m)	4
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or ☒ (> 33% banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Start of site in next to 1ge alder on R.B. and a tinted tree stump. Site ends on 1ge submerged tree stump. Cobble substrate in shallow (< 75m) river with some impact of cattle to R.B. structure

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 103

Mid-site grid reference of network site if different from designated location:

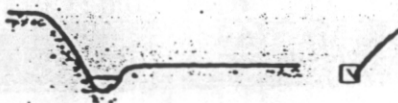
Grid Reference: SE247 593 U/S - SE 246595 River: N100
 Date 10.10.1996 Time: 14:20 DK-SE24593 Surveyor name MG Accreditation code PF65

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ concave/bowl
(If U-shaped glacial valley - add "U")☐ deep vee☐ symmetrical floodplain☐ gorge☒ asymmetrical floodplainTerraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 4

Unvegetated point bars 0

Pools 0

Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use JHT) for - Riffles ☐

Pools

Unveg. side bars

Veg point bars

F. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream ☐ downstream ☒

1

2

3

4

Photo

cable

5

6

7

8

9

10m only

10m

LEFT BANK

TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL NEW - substrate shape codes -

Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK TICK if functional fence

Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m catch-all)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens *Fontinalis*Emerg broad-leaved herbs *Verber* *Potamogeton*Emerg reeds/sedges/rushes *Phalaris*

Floating-leaved (rooted)

Free-floating

Amphibious *Alga*

Submerged broad-leaved










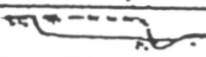


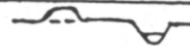
Submerg fine/linear-leaved *Callitriche*

Filamentous algae

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep ($>45^\circ$) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only 		
Gentle 	E	E	Reinforced - toe only 		
Composite 		<input checked="" type="checkbox"/>	Artificial two-stage 		
			Poached 		<input checked="" type="checkbox"/>
			Embanked 		
			Set-back embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffle - Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	19	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	15	Banktop height (m)	3.5
Embanked height (m)		Water depth (m)	0.15	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒ Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use I or E (> 33% banklgth) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: 2B steeper valley sides, steep ground - BL. LB → TL.
 Cobble + BE substrate in shallow river with some marginal dead water.
 A moderate sized trich. inputs just ups of (10). Site ends on a rapid.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary, ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 103 QA

Mid-site grid reference of network site if different from designated location:







SE
 015 246 595
 MP 247 593
 015 250 593

River:

Date 10/8/1996 Time: 14.23 Surveyor name P. Lealitt Accreditation code. PF35

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)and, as required, special feature? No ☒ Yes ☐ (tick one box)Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input checked="" type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 4 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. T. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use III) for - Riffles III

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ - one entry onlySpot check 1 is: upstream ☐ downstream ☒

1

2

3

4

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6

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8

9

10

LEFT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

CHANNEL

NEW - substrate shape codes =

Flat Ovoid Elongate Spheroid Cuboid Polyhedral Irregular Other - note

Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR

Substrate shape FL OV EL SP CU PO IR, Others - note

Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO

Channel modification(s) NK, NO, CV, RS, RI, DA, FO

Channel feature(s) NV, NO, RO, MB, VB, MI, TR

RIGHT BANK

TICK if functional fence

Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW

Bank modification(s) NK, NO, RS, RI, PC, BM, EM

Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) B/U/S/C

LEFT BANK FACE (structure) B/U/S/C

RIGHT BANK FACE (structure) B/U/S/C

RIGHT BANK-TOP (structure within 1m) B/U/S/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (10m wide transect: E (> 33% area) or tick (present) 500m 'catch-all'

NONE / PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs

Emerg reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerg fine/linear-leaved

Filamentous algae










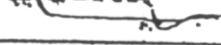



H

LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or ✓ if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"all herbs" rank vegetation (TH)	/		Suburban/urban development (SU)		

I

BANK PROFILES Use E (≥ 33% banklength) or ✓ (present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut 	/	/	Resectioned 		
Vertical + toe 			Reinforced - whole bank 		
Steep (>45°) 	E	E	Reinforced - top only 		
Gentle 		/	Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		/
			Embanked 		
			Set-back embankments 		

J

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)			ASSOCIATED FEATURES (tick one box per feature)		
	Left	Right		None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	19.0	RIGHT BANK	
Banktop height (m)	0.50	Water width (m)	15.0	Banktop height (m)	3.50
Embanked height (m)		Water depth (m)	0.15	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☒
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or ☒ (≥ 33% banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Tributary of UIS end.

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: N100 184

Mid-site grid reference of network site if different from designated location:

Grid Reference: u/s SE 243598
 M10 SE 245597
 o/s SE 246595

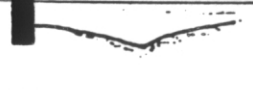





River: N100

Date 10/18/1996 Time: 1430 Surveyor name N. Dawson / P. Huxley Accreditation code PFG/27

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, stateBed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)IFE single photograph: general character? No ☐ Yes ☒ (tick one box)

(duplicate will be made by scanning)

and, as required, special feature ? No ☐ Yes ☒ (tick one box)Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)**C PREDOMINANT VALLEY FORM (tick one box only)**

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 6 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use $\overline{||||}$) for - Riffles $\overline{||||}$

Pools

Unveg. side bars

Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ¹ = one entry only

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK <input checked="" type="checkbox"/> TICK if functional fence										
Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW	BR	BO	EA	EA	EA	CO	EA	EA	EA	EA
Bank modification(s) NK, NO, RS, RI, PC, BM, EM	RI	NO	NO	NO	NO	NO	RI	NO	NO	NO
Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW - substrate shape codes =	FLat Ovoid ELongate SPheroid CUBoid POlyhedral IRregular Other - note									
Channel substrate ¹ NV, BE, BO, CO, GP, SA, SI, CL, PE, AR	CO	BO	NV	CO	CO	CO	CO	CO	CO	CO
Substrate shape FL OV EL SP CU PO IR, Others - note	FL	IR	NA	PO	OV	OV	OV	NV	NV	IR
Flow type ¹ FF, CH, BW, UW, CF, RP, UP, SM, NP, NO	SM	UW	SM	SM	RP	UW	RP	SM	SM	SM
Channel modification(s) NK, NO, CV, RS, RI, DA, FO	DA	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NV, NO, RO, MB, VB, MI, TR	NO	NO	NO	VB	UB	MB	NO	TR	NO	NO
RIGHT BANK <input checked="" type="checkbox"/> TICK if functional fence										
Material ¹ NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, BW	BR	EA	BR	NV	CO	EA	EA	EA	EA	EA
Bank modification(s) NK, NO, RS, RI, PC, BM, EM	RI	RI	RI	NK	NO	NO	NO	NO	NO	NO
Bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS	NO	VS	VS	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	SU	IG	RP	TL	TL	BL	TH
LEFT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	U	U	S	U	S	S	S
LEFT BANK FACE (structure) B/U/S/C	S	C	S	S	S	C	S	S	S	S
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	S	S	S	U	U	S	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	BL	BL	IG	BL	BL

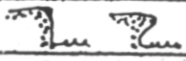








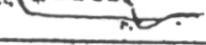
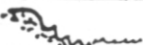


G CHANNEL VEGETATION TYPES (10m wide transect: E ($\geq 33\%$ area) or tick (present) 500m 'catch-all')

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens ^{FORNICATION}		E			✓		✓		✓	✓
Emerg broad-leaved herbs ^{MINIULUS MENTHAT}		✓	✓	✓	✓	✓	✓			✓
Emerg reeds/sedges/rushes ^{POLYSTYRENE}		✓	✓	✓	✓	✓	✓			
Floating-leaved (rooted)										
Free-floating										
Amphibious ^{MOHAWK}	✓	✓	✓			✓				
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓		✓	✓			✓	✓	✓

H LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"all herbs" rank vegetation (TH)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	E

I BANK PROFILES Use E ($\geq 33\%$ banklength) or \checkmark (present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resectioned 		
Vertical + toe 			Reinforced - whole bank 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep ($>45^\circ$) 	E	E	Reinforced - top only 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
			Poached 		
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E ($\geq 33\%$)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	E		None	Present	E ($\geq 33\%$)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

Riffle - Run - Glide

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	23.0	RIGHT BANK	
Banktop height (m)	1.5	Water width (m)	20.0	Banktop height (m)	0.75
Embanked height (m)	/	Water depth (m)	0.12	Embanked height (m)	/

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)**M ARTIFICIAL FEATURES** (indicate total number or tick appropriate box)

None ☐ Number of Culverts = 0 Weirs = 1 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 1 Other = 0
 Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
 Enhancement ☐ Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☒ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐**Q NOTABLE NUISANCE PLANT SPECIES** Use ☐ or E ($\geq 33\%$ banklength) IFE note LARGE STANDS of others egNone ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken**R OVERALL CHARACTERISTICS** (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: LAKE (approx 5m high) SKIPPED LAKE AT US ONLY SITE

S ALDERS (tick appropriate box(es))Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

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